Bids Close		See Eng. News-Record
Apr. 28	Dredging — New York, N. Y.	Apr. 3
Apr. 28	Cold Storage Building — Spec. 3685 — Cape May, N. J.	Apr. 17
Apr. 28	Officers' Quarters — West Point, N. Y. Adv. Apr. 3 and 10.	Apr. 3
Apr. 28	Dormitory — Bismarck, N. D.	Apr. 10
Apr. 29	Dredging — New York, N. Y. Adv. Apr. 10 and 17.	Apr. 24
Apr. 29	Foundation—Pamlico Sound, N. C.	Apr. 10
Apr. 30	Levee Work—St. Louis, Mo. Adv. Apr. 3 to 24.	Apr. 3
Apr. 30	Accumulators, etc.—Louisville, Ky. Adv. Apr. 3 to 24.	Apr. 10
Apr. 30	Wharf and Seawall—Chelsea, Mass.	Apr. 24
May 1	Wharf—Boston, Mass.	Apr. 3
May 1	Removing Wreck — New York, N. Y.	Apr. 17
May 3	Dredging — Jacksonville, Fla. Adv. Apr. 3 to 24.	Apr. 3
May 3	Dredging—Boston, Mass. Adv. Apr. 24.	Apr. 24
May 5	Dredging—Wilmington, Del. Adv. Apr. 17 and 24.	Apr. 10
May 5	Sewer Discharge Pipe — Spec. 3267 — Pensacola, Fla.	Apr. 17
May 5	Fence — Spec. 3789 — Charleston, W. Va.	Apr. 17
May 5	Discharge Pipe—Spec. 3267 —Washington, D. C.	Apr. 24
May 5	Buildings — Spec. 3818 — Hampton Roads, Va.	Apr. 24
May 5	Additional Buildings—Spec. 3823—Hampton Roads, Va.	Apr. 24
May 6	Lock and Abutment—Cincinnati, O. Adv. Apr. 3 to 24.	Apr. 10
May 6	Alteration to Post Office—Bridgeport, Conn.	Apr. 17
May 8	Marine Railway — Ft. Mifflin, Pa. Adv. Apr. 10 to 24.	Apr. 10
May 8	Post Office—Mount Pleasant, Tex.	Apr. 10
May 9	Rock Crusher — Florence, Ala.	Apr. 10
May 9	Dredging — New York, N. Y. Adv. Apr. 10 to 24.	Apr. 10
May 12	Dredging — New York, N. Y. Adv. Apr. 10 to 24.	Apr. 10
May 12	Torpedo Storage Building —Spec. 3767 — Newport, R. I.	Apr. 24
May 12	Storehouse — Spec. 3842 — Charleston, S. C.	Apr. 24
May 12	Conduit System—Spec. 3846 —Pensacola, Fla.	Apr. 24
May 15	Rip Rap—Baltimore, Md. Adv. Apr. 10 to 24.	Apr. 17
May 15	Dredging — New Bedford, Mass. Adv. Apr. 10 to 24.	Apr. 17
May 19	Dry Dock—Spec. 3858— Charleston, S. C.	Apr. 24
May 21	Dredging—Duluth, Minn. Adv. Apr. 24.	Apr. 24
May 21	Derricks—Florence, Ala. Adv. Apr. 24.	Apr. 24

MISCELLANEOUS

Apr. 24	Heating and Plumbing, etc. —Erie, Pa.	Apr. 24
Apr. 28	Paving Material — Minneapolis, Minn.	Apr. 24
Apr. 28	Cranes—Providence, R. I.	Apr. 17
Apr. 28	Repairing and Repainting Courthouse — Lancaster, Pa. Adv. Apr. 10.	Apr. 10
Apr. 29	Freight Shed—New York, N. Y. Adv. Apr. 3.	Apr. 3
Apr. 29	Meter Pipes—Toledo, O. Adv. Apr. 10.	Apr. 10
May 1	Granite Curbing—Cranston, R. I.	Apr. 24
May 2	Wharf—Victoria, B. C.	Apr. 17
May 2	Tracks—New York, N. Y.	Apr. 24
May 5	Asphalt—Lansing, Mich. Adv. Apr. 24.	Apr. 24
May 12	Tower — Prince Rupert, B. C.	Apr. 24

Where name of official is not given, inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

WATERWORKS

Conn., Milford—Milford Water Co., 24 Broad St., plans to improve plant. About $100,000.

Conn., New London—Water & Sewer Dept., Municipal Bldg., plans to issue $341,000 bonds to improve and extend water mains. G. K. Crandall, city engr.

S. C., North Augusta—City receives bids in summer extending mains, building wells and 1,500,000 gal. reservoir; also installing deep-well and pressure pumps, chlorinating apparatus and air compressor. About $50,000. E. G. Smith, 400 Harrison Bldg., Augusta, Ga., engr.

Ga., Swainsboro—See "Sewers."

Ga., Washington—See "Sewers."

Mont., Polson—City plans to build 8 in. water mains in G St. from 4th to Cedar Sts.; 6 in., in G St. from 4th to 8th Sts.; 3rd St. from G to M Sts.; Hawthorne St. from G to I Sts.; 5th St. from G to D Sts.; D St. from 3rd to 4th Sts.; 1st St. from G to F Sts.; Cedar St. from G to F Sts. and 4 in. in I St. from Hawthorne to 1st Sts. Bond for $15,000 voted for project. F. F. Faucett, Polson, engr.

Okla., Altus—City soon lets contract building and extending waterworks system. Benham Eng. Co., 1300 Colcord Bldg., Oklahoma, engrs. Noted Feb. 2.

Okla., Tar River—City soon receives bids building waterworks system. About $50,000. J. F. Gates, 405 James Bldg., Miami, engr.

Ariz., Somerton—City having plans prepared by Olmsted & Gillelen, engrs., 1112 Hollingsworth Bldg., Los Angeles, building water system. About $70,000.

Cal., Harper—Newport Mesa Irrigation Dist. voted $50,000 bonds to build water system. Address S. W. Clark, secy.

Cal., Sacramento—City election in May, to vote on $2,400,000 bonds to purchase site and build filtration and pump plants and caisson in Sacramento River. F. C. Miller, city engr.

N. S., Lunenburg—Town plans to lay 1 mi. 4 in. watermains, also build concrete sidewalks, curb and gutters. G. H. Love, clk.

Que., Matane—See "Sewers."

BIDS DESIRED

Pa., Tamaqua—Until May 29, by Comrs. of Water Works, building reservoir on Owl Creek, Rahn Twp., Schuylkill Co. Work involves 57,000 cu.yd. embankment and 2000 cu.yd. mass and reinforced concrete, J. Harris, secy.; adveristed in this issue.

Minn., Brainerd—Until May 8, by city, building water system. Work involves (a) distribution system (1) furnishing pipe and castings, f. o. b. Brainerd, (2) fire hydrants, (3) valves and boxes, (4) laying pipe; (b) open well, 40 ft. diam., 28 ft. deep; (c) buildings including pumping station, pump houses, pump pits and manholes for 2 tubular well groups also 800,000 gal. rein.-con. reservoir; (d) pumping plant including removal of two 6-in. motor-driven centrifugal pumps to new pumping station and furnishing and installing 2 motor and engine-driven centrifugal pumps for well system together with necessary pipe and fittings; (e) rein.-con. water tower and appurtenances or steel water tower consisting of 300,000 gal. steel tank on 90 ft. tower. L. P. Wolff, Guardian Life Bldg., St. Paul, consult. engr.

Minn., New Ulm—Until Apr. 28, by W. P. Bocker, city clk., furnishing and laying 3045 ft. 6 in. and 30 ft. 4 in. c. i. pipe, seven 4 in. gate valves and boxes completed, one 14 in. sleeve, two 6 x 6 in. crosses, one 6 x 14 in. cross, three 6 in. plugs, 5 fire hydrants, 1460 ft. ¾ in. lead pipe and 75 service valve cocks and boxes.

Utah, Salt Lake City—Until May 5, by S. A. Cannon, city engr., trenching and laying 3400 ft. 36-48 in. cement pipe. Noted Jan. 30.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Minn., Minneapolis**—City will lay 12 mi. 6-12 in. water mains. About $12,000. Work will be done by day labor.

★**Okla., Picher**—See "Sewers."

Sewers

PROPOSED WORK

Conn., Bridgeport—City soon lets contract building concrete and vitr. sewers in Lincoln, Wood and Hillside Aves., also Evergreen and Grand Sts. About $20,000. J. A. McElroy, city engr. Noted Feb. 13.

N. Y., Buffalo—City soon lets contract laying vitr. pipe sewer encased in concrete quicksand bed, in Washington St. between Virginia and Carlton Sts., involving 700 ft. 20 in vitr. pipe and 2100 cu.yd. earth trenching. About $15,000. G. H. Norton, city engr. Noted Dec. 5.

N. Y., Geneva—Bd. Pub. Wks. plans to extend sewer in South Exchange St. About $15,000. J. W. Brennan, city engr.

Pa., Beaver Falls—See "Streets and Roads."

Ga., Swainsboro—City voted $50,000 bonds to build sewerage and waterworks systems. Noted Apr. 3.

Ga., Washington—City election Apr. 28 to vote on $55,000 bonds to enlarge and improve sewerage and waterworks systems. K. A. Wilheit, mayor.

Fla., Plant City—City plans to build sewers in various streets. About $10,000.

Mich, Detroit—City soon lets contract furnishing material and building complete lateral sewer system for Tireman Park subdivision, involving 14,124 ft. 12-24 in. vitr. pipe, and 43 brick manholes. About $30,000. G. Jerome, 1331 Majestic Bldg., engr.

Ariz., Somerton—City having plans prepared by Olmsted & Gillelen, engrs., 1112 Hollingsworth Bldg., Los Angeles, for sewerage system. About $30,000.

Wash., Seattle—Bd. Pub. Wks. soon lets contract building sewers in 42nd St., Ave. S. and Empire Way, et al. Work involves storm water over flow, catch basins, 1228 ft. 48-72 in. concrete and 1228 ft. 48-72 in. rein.-con. pipe, etc. Bids will be taken on concrete, brick, rein.-con., etc. A. H. Dimock, city engr.

Cal., Pasadena—City will join with South Pasadena and Alhambra in constructing sewage treatment works on tri-city sewer farm. Bonds will be voted for project. R. V. Orbison, city engr.

Que., Matane—City soon receives bids building sewerage and waterworks systems. About $70,000. J. F. Greneo, Chicoutimi, engr.

Que., Three Rivers—City plans to build sewers. About $15,000. A. Bolivar, clk.

Alta., Medicine Hat—City plans to build brick sewage disposal plant. F. Blackburn, clk.

BIDS DESIRED

Conn., New Haven—Until Apr. 20, by city, building storm water and overflow sewer and appurtenances in Munson St. and in adjacent Beaver Park lands between Canal and Crescent Sts. F. L. Ford, city engr.

N. J., Newark—Until May 13, by Passaic Valley Sewerage Comn., 820 Essex Bldg., building portion Garfield-Wallington-Passaic branch sewer in Passaic and Garfield, known as Garfield River Crossing. Work involves 30 in. c. i. pipe, 60 cu. yd. brick masonry, 10,000 lb. steel reinforcing bars, 130 cu. yd. concrete masonry, 500 tons riprap, 5000 lin. ft. timber piles, 300 cu. yd. earth and 20 cu. yd. rock excav. W. M. Brown, 31 Clinton St., engr.

Pa., Erie—Until May 20, by City Council, for completion of Mill Creek Flood Control Project. Contract will be let in 3 sections, involving following major items of work, covering 8000 lin.ft. rein.-con. conduit; Sect. 3, involving 95,000 yd. earth and shale excav., 19,000 yd. rein.-con.; Sect. 4, 73,000 yd. earth and shale rock excav., 17,000 yd. rein.-con.; Sect. 5, (intake), 25,000 yd. earth and rock excav. and

Sewers (Continued)

2000 yd. plain and rein.-con. F. G. Lynch, city engr. Gannett, Seelye & Fleming, 204 Locust St., Harrisburg, consult. engrs.; advertised in this issue.

O., Akron—Until May 19, by H. S. Morse, dir. pub. serv., Delaware Bldg., building sewer in East Ave. from Maple St. to Wooster Ave. Work involves 3900 ft. 12-24 in. vitr. pipe, 4700 ft. 30-66 in. trunk sewer and 35 manholes; advertised in this issue.

O. Akron—Until May 21, by H. S. Morse, dir. pub. serv., Delaware Bldg., building sewer in West Exchange St. from Bowery to Maple Sts. Work involves 3200 lin.ft. 12-24 in. vitr. pipe, 5700 lin.ft. 30-120 in. trunk sewer and 42 manholes; advertised in this issue.

Mich., Detroit—Until Apr. 30, by Dept. Pub. Wks., furnishing labor and material for building and completing 1251 ft. sewer in Harper and Gratiot Aves., brick or monolithic concrete or combination of materials. About $60,000. C. W. Hubbell, city engr.

Mich., Pontiac—Until May 12, by C. W. Ham, city clk., building sewage treatment works to include 2052 lin.ft. outfall sewer, grit chamber, 2 story settling tanks, trickling filters, secondary tanks, sludge bed, conduits, bridge and appurtenances and involves 34,710 cu.yd. excav., 4078 cu.yd. rein.-con., 15,700 cu.yd. filter stone and 35 ton c.i. piping. C. W. Hubbell, 2348 Penobscott Bldg., Detroit engr.; advertised in this issue. Noted Jan 16.

Wis., Elkhart Lake—Until Apr. 28, by Village, excavating and laying 1800-1900 ft. 10-12 in. sewer and connecting water mains in Main and Division Sts. About $12,500.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Boston**—Comr. Pub. Wks. let contract building sewer in Alger St., South Boston, involving 540 ft. 10 in. vitr. and 534 ft. concrete pipe, 1200 cu.yd. earth trenching, 4.5 ton reinforcing steel, 235 cu.yd. rein.-con., to A. Baruffaldi, Somerville, $10,144; in Mt. Ida Rd. extension (Dorchester), 604 ft. 12 in. pipe, 400 cu.yd. earth trenching, to Daddario & Booth Co., Mattapan, $2666; in Charles St., 2306 ft. 12 in. vitr., 643 ft. 15-24 in. vitr. clay and 38 ft. 2 ft. 6 in. concrete pipe, 2000 cu.yd. earth trenching, 2 tons steel, 545 cu.yd. concrete, to C. M. Callahan Co., 25 South Fairview St., $27,655; in Northampton and Fellows Sts., Roxbury, 50 ft. 12 in. vitr., and 831 ft. concrete pipe, 500 cu.yd. earth trenching, to W. R. Trap Rock Co., West Roxbury, $19,517.

★**Pa., Phila.**—Dept. Pub. Wks. let contracts building sewers in Pratt St. from Saul to Rutland Sts., to Whiting-Turner Co., Stewart Bldg., Baltimore, Md., cost, $45,000; in Godfrey Ave. from 10th to Broad Sts., to E. Pascuzzi, 601 Lincoln Bldg., $75,000; in Limekiln Pike from 66th to Andrew Sts., to D. McMahon Estate, Germantown and Chelton Aves., $26,000; in Broad St. from 68th Ave to Summit St. and 7th St. from Bristol to Cayuga, to P. Ellis, 3342 North 11th St., $9700; in Pollock St. from 26th to 30th Sts., to E. H. Vare, 1120 Race St., $175,000.

★**O., Cleveland**—City let contract to George Bros., 1148 Bolivar Rd., building sewers in sections of East 140th St., $10,607, Clermont Rd., $6203, Larchmont Rd., $11,095, involving 5430 ft. 12-24 in. pipe and 1360 ft. No. 3 C brick sewer; to A. J. Galvin, Lennox Bldg., East 135th St., $1582, East 129th St., $1950, Chapleside Ave., $6120, East 132nd St., $1465, Lorenzo Ave., $2730, East 134th St., $3325, involving 5220 ft. 12-24 in. pipe; to D. Pfahl, 724 Guardian Bldg., East 139th St., $3522, Dove Ave., $5830, involving 2600 ft. 12-24 in. pipe; to Gallagher-Burke Co., 1339 Irene Ave., Dunlap Ave., $2550, Continental Ave., $3602, involving 1390 ft. 12-18 in. pipe; to River Constr. Co., 12109 Mayfield Rd., Bessemer Ave., $4911, involving 700 ft. 12-24 in. pipe; to Water & Sewer Impvt. Co., The Arcade, Daniel Ave., $1965, Greenwich Ave., $3959, Eliot Ave., $1989, involving 2330 ft. 12-20 in. pipe; to Iannetta Bros., 2064 East 125th St., East 97 Pl., $771, involving 220 ft. 12 in. pipe; to Frederick & Hosaine, 635 Bradley Court, West 11th St., involving 1360 ft. 12-15 in. pipe, $4147; to H. Hahn, 2973 East 78th St., Calcutta Ave., 1290 ft. 12-18 in. pipe, $3804; to G. Sam, 2418 Central Ave., Ridpath Ave., $1981, Trafalger Ave., $9560, involving 2060 ft. 12-26 in. pipe; to N. Salem, 237 Bradley Court, East 160th St., 690 ft. 12 and 15 in. pipe, $1638; to A. C. Hattendorf, 13601 6th Ave., Griffing Ave., $5800, East 135th St., $1975, East 157th St., $1484, East 156th St., $3697, involving 3550 ft. 12-18 in. pipe; to W. P. Gibbons, 340 Leader-News Bldg., East 160th St., $735, Arbor Ave., $3457, East 163rd St., $763, East 170th St., $1697, involving 2620 ft. 12-18 in. pipe; to W. McDowell, 10319 Miles Ave., East 105th St., $1491, East 108th St., $2712, East 30th St., $58,947, Meich Ave., $3857, involving 2080 ft. 12-20 in. pipe and 1810 ft. No. 3-6 C brick sewer. All vitr. pipe.

★**Mich., Detroit**—Dept. Pub. Wks. let contract trenching, backfilling and laying 4786 ft. 5 ft. 6 in. cylindrical sewer in Alter Rd. and Mack Ave., to J. M. Affeld, Ford Bldg., $77,040; 2158 ft. 24 in. vitr. crock sewer arms in Livernois Ave., to R. D. Baker. 1454 Penobscot Bldg., $6000. Noted Apr. 10.

★**Kan., Douglas**—City let contract building sanitary sewerage system, to Burt Constr. Co., Hutchinson, $34,055. Noted Apr. 3.

★**Okla., Picher**—City will build storm sewerage system. Plans include concrete, segmental block or bitulithic sewers and c. i. water mains. About $250,000. Work will be done by day labor under the supervision of McIntosh-Walker Eng. Co., Oklahoma. City will furnish material. Noted Mar. 20.

★**Idaho, Moscow**—City let contract installing vitr. clay salt-glazed sewer pipe, to Washington Brick & Lime Co., South 151 Washington St., Spokane, Wash. About $14,000. Noted Mar. 20.

★**Cal., San Luis Obispo**—City let contract building cement pipe storm drain in Marsh St., et al., to M. Chutuk, 1506 Pleasant St., Los Angeles, $16,809. Work involves 6348 ft. 10-24 in. concrete pipe, 13 manholes and 45 catch basins. Noted Feb. 6.

★**Que., Sherbrooke**—City will build sewers in various streets. About $40,000. Work will be done by day labor under supervision of T. Tremblay, city engr.

Bridges

PROPOSED WORK

N. Y., Leroy—City having estimates made and plans prepared for rein.-con. bridge over Oatka River, 20 ft. drive roadway and 6 ft. sidewalks, to connect Lake and Church Sts. City plans election soon to vote on bonds for project. Address D. J. O'Shea, Leroy.

Ill., Chicago—See "Streets and Roads."

Okla., Miami—Comrs. Ottawa Co. plan to build bridge over Spring River. About $16,000.

Ariz., Clifton—City and Greenlee Co. each voted $5000 bonds to build bridge over Chase Creek here. Noted Feb. 27.

Wash., Walla Walla—Walla Walla Co. (Walla Walla) and Franklin Co. (Pasco) voted $230,00 bonds to build concrete bridge over Snake River between Burbank and Pasco. Noted Mar. 27.

Ore., Moro—State Highway Comn., Portland, soon lets contract building 7 steel plate girder bridge over Deschutes River near Miller Sta., involving 600 cu.yd. class A concrete, 400 cu.yd. class B concrete, 70,000 lbs. reinforcing steel and 1250 lin.ft. reinforced concrete rail. S. Benson, chn. Noted Jan. 2.

Ore., Moro—State Highway Comn., Portland, soon lets contract building bridge over John Day River, consisting of two 126 ft. wooden truss spans, involving 400 lin. ft. wood piling, 350 cu.yd. class B concrete, 250 lin.ft. wooden approaches. Alternate bids for 80 tons structural steel. S. Bensen, chn. Noted Jan. 2.

Cal., San Diego—City voted against proposition to construct steel bridge over San Diego River at Old Town. About $60,000. Noted Feb. 6.

Que., Ste. Anne De La Perade—City soon lets contract building concrete and steel bridge, 75 ft. long, 18 ft. wide, over Gendron River. I. E. Vallee, Parliament Bldg., Quebec, engr. Noted Apr. 10.

Que., St. Valerien—City had plans prepared for 3 concrete and steel bridges. I. E. Vallee, Parliament Bldg., Quebec, engr.

Ont., Timmons—Town and Temiskaming and Northern Ontario Ry. Comn., 56 Church St., Toronto, having plans prepared for steel bridge on 5th Ave. About $40,000. Cost will be borne equally by town and railway. H. E. Montgomery, Timmons, engr.

BIDS DESIRED

Mass., North Adams—Until May 3, by J. L. Temple, comr. pub. wks., building 168 ft. rein.-con. arch bridge on West Main St., 28 ft. wide, consisting of 80 ft. clear span single arch.; advertised in this issue.

Pa., Pittsburgh—Comrs. Allegheny Co. receiving bids repairing floor of bridge over Allegheny River, at entrance to Highland Park, involving 30,000 ft. B. M. white oak lumber. About $15,000. Plans now being figured by bidders. J. G. Chalfont, Room 301, Courthouse, engr.

N. C., Beaufort—See "Excavation and Dredging."

Ga., Thomasville—Until May 16, by Comrs. Thomas Co., building rein.-con. bridge, 4½ mi. from here. About $63,000. J. B. McCrary, 3rd Natl. Bank Bldg., Atlanta, engrs. Noted Mar. 13.

Ga., Valdosta—Until May 15, by Comrs. Lowndes Co. building rein.-con. bridge over Withlacoochee River. About $58,000. J. B. McCrary Co., 3rd Natl. Bank Bldg., Atlanta, engrs. Noted Apr. 10.

Illinois—See "Streets and Roads."

Ia., Denison—Until Apr. 30, by Bd. Supervs. Crawford Co., building 12 concrete box culverts, 2 I beam bridges on concrete abutments and 2 pony truss bridges on concrete abutments. About $27,000. H. B. Fishell, co. engr.

Ia., Leon—Until Apr. 29, by Bd. Supervs. Decatur Co., building 2 concrete box culverts, 2 concrete slab bridges and 3 I beam bridges. About $17,900. Work involves 8655 cu.yd. rein.-con., 10 tons structural and 23½ tons reinforcing steel and 2992 lin.ft. wooden piling. O. Sjolander, co. engr.

Mo., St. Louis—Until May 13, by Bd. Pub. Serv. building rein.-con. bridge over Oak Hill branch of Missouri Pacific Ry. tracks on Southwest Ave. About $35,000. L. R. Bowen, city engr. Noted Jan. 30.

Ark., Jonesboro—See "Excavation and Dredging."

Ariz., Cottonwood—Until May 19, by State Highway Comn., Phoenix, building bridge over Verde River here. About $40,000. T. Maddock, state engr.; advertised in this issue.

Ont., Owen Sound—Until Apr. 28, by J. Johnson, supt. Grey Co. Rds., building steel bridge with 73 ft. span, in Normandy Twp., abutments and concrete flooring. Project includes removal of fallen arch; also filling sinkhole on Toronto and Sydenham Rd. 2 mi. north of Mardale, involving 12,000 cu. yd. R. McDowall, co. engr.

Sask., Canora—Dept. Highways, Regina receiving bids building steel bridge 104 ft. long with concrete abutment, over Assiniboine River, east of Tadmore. S. J. Latta, minister highways.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

S. C., Marion—See "Streets and Roads."

★**Ia., Davenport**—Comrs. Scott Co. let contract building 13 concrete box culverts, 1 I beam, 1 concrete deck girder and 2 concrete slab bridges, to G. Sheldon, 841 21st St., $24,798. Work involves 1055 cu.yd. rein.-con., 7½ tons structural and 31 tons reinforcing steel and 816 lin.ft. wooden piling.

★**Ia., Des Moines**—Comrs. Polk Co. let contract building 19 concrete box culverts and 1 extension to concrete arch, to C. F. Lambert Co., 405 Utica St., $15,298. Work involves 602 cu.yd. rein.-con. and 17 tons reinforcing steel.

Ia., Eldora—Comrs. Hardin Co. let contracts building 1 I beam bridge and 1 deck girder bridge, to Fifield Constr. Co., Waterloo, $5286; 1 concrete slab bridge, 1 I beam bridge and 1 deck girder bridge, T. J. Wagner, Swea City, $9092; 2 concrete deck girder bridges, 1 concrete slab bridge and 1 concrete box culvert, A. Olson Constr. Co., Waterloo, $12,722; 1 rainbow

Bridges (Continued)

arch bridge and 1 pony truss bridge, N. M. Stark & Co., 1215 Mulberry St., Des Moines, $30,570. Work involves 2392 cu.yd. rein.-con., 72 tons structural and 92 tons reinforcing steel and 10,784 lin.ft. wooden piling. Noted Apr. 3.

★Ia., **Grundy**—Comrs. Grundy Co. let contracts building 7 concrete box culverts and 1 concrete slab bridge, to F. Fuller & Son, Grundy Center, cost $3157; 3 concrete box culverts, 3 I beam bridges and 1 pony truss bridge, to Des Moines Bridge & Iron Co., Tuttle St. between 9th and 11th Sts., Des Moines, $15,656. Work involves 667 cu.yd. rein.-con., 36½ tons structural and 20½ tons reinforcing steel.

★Ia., **Jefferson**—Comrs. Green Co. let contracts building 55 x 16 ft. pony truss bridge, to R. E. Shackleton, Perry, $5300; two 24 x 18 ft. concrete slab bridges and two 40 x 18 ft. spans deck girder bridges, F. E. Marsh & Co., Center St. Dam, Des Moines, $15,115. Work involves 699 cu.yd. rein.-con., 11 tons structural and 26 tons reinforcing steel and 3840 lin.ft. wooden piling.

★Minn., **Wabasha**—Comrs. Wabasha Co. let contract building Bridge No. 2991, 40 ft. span, No. 2992, 30 ft. span, and No. 2993, 60 ft. span, to Independent Bridge Co., 1001 Metropolitan Life Bldg., Minneapolis, $13,084.

Wash., Adna—Comrs. Lewis Co., (Chehalis), received bids Apr. 7, building 220 ft. steel span bridge with 500 ft. approach, 16 ft. wide, over Chehalis River, here, from Portland Bridge Co., Yeon Bldg., Portland, $29,800; Union Bridge Co., Portland, $30,-890 without concrete piers; $31,590 with concrete piers. Noted Mar. 20.

★Ont., **Ottawa**—Dept. Pub. Highways, Toronto, let contract building 192 concrete culverts and 12 bridge abutments, here, to L. Allen, Belleville. About $125,000. Noted Mar. 27 under "Streets and Roads."

Structural Steel

BIDS DESIRED

N. J., Newark—See "Sewers."
Ia., Leon—See "Bridges."
Minn., Brainerd—See "Waterworks."
Sask., Canora—See "Bridges."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Ia., Eldora—See "Bridges."
Ia., Grundy—See "Bridges."

Reinforced Concrete

PROPOSED WORK

Pa., Pittsburgh—See "Industrial Works."
Ill., Chicago—See "Industrial Works."
Ariz., Jerome—See "Buildings."
Wash., Walla Walla—See "Bridges."
Que., St. Valerien—See "Bridges."

BIDS DESIRED

Ga., Thomasville—See "Bridges."
Ga., Valdosta—See "Bridges."
Ia., Denison—See "Bridges."
Ia., Leon—See "Bridges."
Minn., Brainerd—See "Waterworks."
Mo., St. Louis—See "Bridges."
Tex., Dallas—See "Streets and Roads."
B. C., Prince Rupert—See "Miscellaneous."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Boston**—See "Industrial Works."
★**R. I., Providence**—See "Miscellaneous."
★**Ill., Chicago**—See "Industrial Works."
Wis., Two Rivers—See "Industrial Works."
Ia., Davenport—See "Bridges."
Ia., Des Moines—See "Bridges."
Ia., Eldora—See "Bridges."
Ia., Grundy—See "Bridges."
Minn., Cloquet—See "Buildings."
★**Ont., Ottawa**—See "Bridges."

Streets and Roads

PROPOSED WORK

Conn., Middletown—City voted $15,000 bonds to tar macadam various streets. J. M. Lucey, city engr.

N. Y., Amsterdam—City soon receives bids paving East Main St. from Market to Hamilton Sts., creosoted wood block, cost $16,000; Fonda, Johnstown & Gloversville R. R. required to pave with concrete 2 ft. on each side of rails. A. Fitzgerald, clk.

N. Y., Buffalo—City soon lets contract repaving Main St., 58 ft. wide, involving 10,574 sq.yd. asphalt on 6 in. concrete base, cost $59,000; Bird Ave., 30 ft. wide, 20,-042 sq.ft. asphalt on 6 in. concrete base, $110,000; Smith St., 28 ft. wide, 4008 sq.yd. asphalt on 6 in. concrete base, $22,000; Indiana St., 26 ft. wide, 1756 sq.yd. asphalt on 6 in. concrete base, $10,000; Norwood St., 30 ft. wide, 3625 sq.yd. asphalt on 6 in. concrete base, $20,000; repaving and repairing curbs on Curtiss St., 30 ft. wide, 16,114 sq.yd. asphalt on 6 in. concrete base, etc., $90,000; paving Edgewood St., 26 ft. wide, 4135 sq.yd. asphalt on 6 in. concrete base, $23,000; Alleghany St., 24 ft. wide, 2676 sq.yd. asphalt on 6 in. concrete base, $15,000. G. H. Norton, city engr. Noted Jan. 30.

N. Y., Green Island—Troy P. O.—Village trustees plan to issue bonds to repave Albany Ave. and Arch St. About $22,000.

N. Y., Little Falls—City having plans prepared paving various streets. Election will be held to vote on $100,000 bonds for project. G. I. Oakley, city engr.

N. Y., Rochester—City plans to pave Iceland Park, cost $18,500; Randolph St., $45,000; and concrete walks in Kossuth and Maple Sts., $16,800. A. C. Poole, city engr.

N. Y., St. Johnsville—Village soon receives bids paving South Division St., 27 ft. wide, cost $9257; Hough St., 24 ft. wide, $8216; East Liberty St., 20 ft. wide, $6420, all 6 in. concrete with asphalt top and artificial curbing. A. Kornburst, pres. village bd. A. Vroomans, St. Johnsville, engr.

N. Y., Salamanca—City election Apr. 29, to vote on $60,000 bonds to improve and pave roads. G. H. Elliott, city clk.

N. Y., Syracuse—City having plans prepared extending Kirkpatrick, Solar, Bear, North Geddes and Leavenworth Sts. Work consists of grading, paving, sewer and water extensions and several other head crossings. Cost between $350,000 and $400,-000. H. C. Allen, city engr.

N. Y., Syracuse—City had plans prepared paving Ruskin Ave. from Summit St. to Clairemont Ave., Portland cement concrete, cost $8103; Claredon St., bituminous concrete, $2510; Bear St. from North Salina St. to Sunset Ave., asphalt, $14,000; Leavenworth Ave. from Tracy to Wilkinson Sts., bituminous concrete, $4330; Tracy St. from Plum to Van Rensselaer Sts., vitr. block, $32,910; Glenwood Ave. intersection, bituminous concrete, $4730. H. C. Allen, city engr.

N. Y., Troy—City plans to improve Hill St., entrance to Prospect Park. About $20,000. A. E. Roche, city engr.

N. J., Jersey City—Bd. Freeholders Hudson Co. plan to improve Paterson Plank Rd. from Summit to Palisade Aves., granite block. About $25,000.

N. J., Jersey City—City having plans prepared for grading, paving and building sewer in Johnston Ave. between Grand St. and Cornelison Ave., chipped paving block. About $10,000.

N. J., Woodcliff—Town plans to improve 30th and 35th Sts., asphalt and bituminous surface. About $25,000 each.

Pa., Beaver Falls—City election June 28 to vote on $125,000 bonds to pave and improve various streets and build sewage disposal plant.

Md., Towson—Baltimore Co. plans to improve 3.05 mi. Hanover Rd. from Glyndon to Carroll Co. line, concrete or macadam. State will appropriate half of cost. J. N. Mackall, 601 Garrett Bldg., Baltimore, engr.

W. Va., Edgewood (Wheeling P. O.)—City Council receives bids about June paving and curbing 12,000 sq.yd. Hawthorn, Heiskell, Vista, Elm, North and South Parks Sts., 30 ft. wide, vitr. brick, bituminous macadam or concrete. About $30,000. Kohler & Conrad, Wheeling, engrs.

S. C., York—York Co. election May 10 to vote on $60,000 bonds to improve roads.

Ga., Brunswick—City voted $150,000 bonds to pave streets. Noted Feb. 27.

Ga., Jefferson—Jackson Co. election May 3 to vote on $100,000 bonds to build roads.

Ga., Rome—Floyd Co. plans to build concrete road from here to Lindale. About $100,000. Government will appropriate $50,000 toward cost.

Ga., Thomasville—Thomas Co. plans election Apr. 29 to vote on $700,000 bonds to build roads and bridges. S. L. Heald, clk.

Fla., Daytona—City plans election soon to vote on $300,000 bonds to pave, drain and build sewers in 9 mi. principal streets. Coquina rock with asphalt surface will probably be used.

Fla., Pensacola—Comrs. Escambia Co. plan to build road from Millview to Lillian Bridge, thereby connecting Pensacola with adjoining land in Baldwin Co., Ala.

Miss., Rolling Forks—Bd. Supervs. Sharkey Co. plans to build 37 mi. road. About $500,000. E. L. Fontaine, Lyons, engr.

Miss., Tunica—Comrs. Tunica Co. rejected bids received Apr. 14 grading, graveling and draining 13 mi. roads in Bd. Dist. No. 3. New bids soon. Noted Mar. 20.

La., Lake Providence—East Carroll Parish Police Jury plans election to vote on $325,000 bonds to build roads to include 40 mi. highway from Arkansas to Madison Parish line. Government will appropriate $325,000, if election carries.

Ind., Terre Haute—Bd. of Wks. soon lets contract grading and paving ½ mi. Poplar St., 36 ft. wide. Work involves 11,500 sq.yd. asphalt, 8 in. concrete, wood block or 415,000 brick on 5 in. concrete base, 6000 cu.yd. grading and 950 sq.ft. 4 in. concrete sidewalks. R. E. Koerner, Terre Haute, engr.

Mich., Detroit—City soon lets contract resurfacing roadways in Belle Isle Park, involving 50,000 sq.yd. sheet asphalt. About $100,000. W. T. Dust, Farwell Bldg., comr.

Mich., Oakwood (Oxford P. O.)—City plans to pave and shape 1 mi. Fort St. from Rouge River Bridge to city limits, 18 ft. wide, concrete. About $24,500. H. L. Russel, 505 Moffat Bldg., Detroit, engr.

Ill., Chicago—City voted $1,250,000 bonds to finish widening 12th St., to include viaduct and bridge. J. Ericson, city engr.

Ill., Chicago—Cook Co. soon lets contract building 16,124 lin.ft. Lincoln Highway, extending east from Matteson Village, (a) bituminous concrete, (b) Portland cement concrete, 18 ft. roadway, 6 ft. earth shoulders, cost, (a) $102,840; (b) $82,253; 10,-241 lin.ft. Chicago-Waukegan-Milwaukee Rd., extending north from Milwaukee Ave., Niles Village, (a) $65,687; (b) $50,497; 31,784 lin.ft. Lincoln Highway extending east from South Chicago Heights, (a) $216,189; (b) $175,596; 22,729 lin.ft. Chicago-Waukegan-Milwaukee Rd. extending north from Dempster St. in Morton Grove Village, (a) $136,042; (b) $106,872. B. D. Barker, County Bldg., supt. highways. Noted Mar. 20.

Wis., Superior—City soon receives bids paving 74 blocks with concrete. About $250,000. E. A. Banks, city engr.

Ia., Carroll—Bd. Supervs. Carroll Co. soon receives bids paving 13 mi. Lincoln Highway, 18 ft. wide, concrete or monolithic brick. About $216,376. G. E. Hill, co. engr.

Ia., Denison—Comrs. Crawford Co. soon receives bids paving 7 mi. Lincoln Highway, 18 ft. wide, monolithic brick on 5 in. concrete base. About $250,000. H. B. Fishell, co. engr.

Ia., Jefferson—Bd. Supervs. Greene Co. soon receives bids paving 5 mi. Lincoln Highway and 2 mi. Mill Rd., 18 ft. wide, concrete or monolithic brick. About $175,-000. H. W. Thompson, Courthouse, Grand Junction, engr.

Ia., Spencer—Bd. Supervs. Clay Co. soon receives bids paving 8 mi. Lake Okoboji Rd., 18 ft. wide, concrete or monolithic brick. About $240,000. V. McCown, co. engr.

Minn., Carlton—Comrs. Carlton Co. soon receive bids grading and graveling 8 mi. Federal Aid Project No. 17, 24 ft. wide. About $38,000. P. D. Mold, Carlton, engr. Noted Apr. 10.

Minn., Duluth—City plans to pave 2 mi. Woodland and Wallace Aves., 42 ft. wide. About $200,000. L. A. Ayers, city engr.

Minn., Duluth—Comrs. St. Louis Co. plan to issue $6,000,000 bonds to build 250 mi. highways. R. W. Acton, 212 Courthouse, engr.

Streets and Roads (Continued)

Minn., Faribault—Comrs. Rice Co. plan to grade 14 mi. road, 24 ft. wide and gravel 9 mi., involving 10,000 cu.yd. surfacing and 113,000 cu.yd. excav. About $64,000. W. P. Chapman, co. engr.

Minn., Virginia—City plans to pave 1 mi. Chestnut St., 30 ft. wide, and 2 alleys on either side, 18 ft. wide. About $30,000. E. F. Johnson, city engr.

Kan., Wellington—Comrs. Sumner Co. plan to hard surface 8.5 mi. Meridian Highway from Wellington to South Haven Twp. J. W. Mavity, co. engr.

Mont., Butte—City plans to pave Excelsior St., bitulithic or wood block. Cost between $11,000 and $17,000. W. H. Ellis, Butte, engr.

Mont., Libby—Lincoln Co. plans to build roads. About $10,000 available. S. S. Craig, engr.

Mont., Terry—Prairie Co. plans to grade 30 mi. road and build several short span timber bridges. About $18,000 and $8000 respectively. W. Mackin, Terry, engr.

Mont., White Sulphur Springs—Meagher Co. plans to grade 15 mi. road from White Sulphur Springs to Sheep Creek, cost $15,000; 10 mi. Deep Creek Rd., $10,000; 12 mi. road from Copperopolis to Martinsdale, $10,000, and 20 mi. road from White Sulphur Springs to Ft. Logan, $10,000. E. R. Lausted, White Sulphur Springs, engr.

Mo., St. Louis—Bd. Pub. Serv. soon receives bids building boulevard from 12th St. and Chouteau Ave. to 12th St. and Park Ave., 80 ft. wide. About $240,000. W. W. Horner, city engr

Mo., St. Louis—City having plans prepared widening 1 mi. Vandeventer Ave. from Chouteau Ave. to Market St., from 60 to 80 ft., and redressing with granite block, cost $170,000; extending Skinker Ave. from Delmar to Hodaimont Aves., ¼ mi. long, 80 ft. wide, $44,000; Outer Belt Project, also Dillon Ave from Forest Park to River des Peres Project. W. W. Horner, city engr.

Arizona—State Highway Comn., Phoenix, plans to build roads to cost $1,750,000 (part of this is contingent on equal appropriation by various counties). T. Maddox, state engr.

Ariz., Bisbee—City plans to spend $200,000 to pave streets. P. H. Halleck, city engr.

Ariz., Clifton—Greenlee Co. voted $200,000 bonds to build highways between Morenci and Metcalf and through Wards canyon. $50,000 federal funds will be appropriated for project. Noted Feb. 27.

Ariz., Phoenix—City receives bids about May 15 paving 3rd Ave. between Van Buren and Fillmore Sts., 2½ in. bituminous concrete base and 1½ in. bitulithic wearing surface. About $25,368. Work involves 8569 sq.yd. paving, 8569 sq.yd. grading, 3806 lin.ft. combination curb and gutter, 528 lin.ft. single curb, 26 lin.ft. single and 201 lin.ft. valley gutter. L. B. Hitchcock, city engr.

Ariz., Phoenix—Comrs. Maricopa Co. plan election in May to vote on $4,000,000 bonds to repair, improve and build 272 mi. hard surfaced road. R. C. Perkins, co. engr.

Wash., Colfax—Comrs. Whitman Co. soon receive bids hard surfacing with crushed rock or gravel 9½ mi. Highway No. 6-A, southwest of Colfax and 8.4 mi. Highway No. 16, northwest of Oakesdale. A. L. Maxwell, co. aud.

Wash., Seattle—King Co. plans to pave 2 mi. McDougall Rd., 16 ft. wide involving 18,000 sq.yd. concrete and 3000 cu.yd. earth excav., cost $56,000; 3 mi Sunnydale-Sylvester Rd., 16 ft. wide, involving 29,000 sq.yd. concrete or brick and 7000 cu.yd. earth excav. S. J. Humes, co. engr.

Wash., Spokane—City plans to pave 5 blocks on Cedar St. About $13,190. A. D. Butler, city engr.

Wash., Vancouver—City plans to hard surface East 7th St., connecting with River Rd. at city limits on east. W. Schwarz, city engr.

Wash., Vancouver—Clarke Co. plans to pave 7 mi. Pacific Highway from Salmon Creek bridge to Pioneer and 5 mi. from Sara to Tenny Schoolhouse.

Ore., Eugene—Lane Co. Comn. plans to improve 19 mi. Cascade Summit Military Rd. via Upper Willamette River, from Rigdon Pl. to Crescent Lake.

Ore., Portland—City plans to improve 72nd St. (including car tracks) from 61st St. to Foster Rd.; 67th St. from Powel Valley to Foster Rd., 25 ft. center strip. O. Laurgaard, city engr.

Ore., Portland—City plans to change grade of East 72nd St. from center line East Glisan St. at 257.5 ft.; center line Oregon St. 260.2 ft. to center line East Glisan St. at 257.5 ft.; at 133 ft. north of north line East Glisan St. at 259 ft.; at center line Oregon St. at 260.2 ft. G. R. Funk, city aud.

Ore., Portland—City had plans prepared improving Foster Rd. from East 52nd to 72nd Sts. About $113,000. A. O. Laurgaard, city engr.

Ore., Portland—City soon lets contract improving Denver Ave. from Kinningsworth Ave. to Portland Blvd.; Ainsworth Ave. from Denver Ave. to Campbell St.; Dwight St. from Lombard St. to Willis Blvd., artificial stone or asphaltic sidewalks on concrete foundation not less than 3 in. deep; Ladd Ave. from northwesterly boundry of unnamed circular driveway around Central Park in Ladd's addition to Hawthorne Ave., involving excavating and replacing with 1 in. binder and 2 in. asphaltic concrete top, No. 1 or 2 or sheet asphalt pavement. G. R. Funk, city aud.

Ore., Salem—Marion Co. Market Rd. Com. and Pomona Grange Com. plan election to vote on $840,000 bonds to hard surface market roads. Address W. M. Hamilton, chn. Ways & Means.

Ore., Salem—Marion Co. Market Rds. Com. plans to hardsurface 9.5 mi. Aurora-Donald-Champoeg Rd.; 3 mi. Aurora-Butteville Rd.; 1320 ft. Brooks-Pacific Highway; 5.5 mi. Broadacres-Hubbard Rd.; 16.5 mi. Woodburn-St. Paul-Newberg Bridge Rd.; 10.5 mi. Woodburn-Mt. Angel-Silverton Rd.; 6 mi. Mt. Angel-Scotts Mills Rd.; 2 mi. Momitor-Norton Corner Rd.; 3 mi. Parkerville-Pacific Highway; 4.2 mi. Silverton-Pine Tree-Four Corners Rd.; 5 mi. Silverton-Willard Rd.; 1320 ft. Gervais-Pacific Highway; 5 mi. Salem-Wheatland Rd.; 9 mi. Salem-Silverton Rd.; 2.5 mi. Salem-Pratum Rd.; 4.2 mi. Salem-Geer Rd.; 7 mi. Turner-Marion Rd.; 12 mi. Salem-Macleay Rd.; 2 mi. Liberty-Rosedale Rd.; 17.2 mi. Salem-Stayton Rd.; 2 mi. Jefferson-Green Bridge Rd. and 3 mi. Salem-Livesley Rd.

Cal., Bakersfield—City rejected bids grading, paving, draining, etc., in 17th, Q and Cedar Sts. About $75,000. Plans will probably be revised and new bids taken. R. H. Hubbard, city engr. Noted Feb. 20.

Cal., Fresno—City soon receives bids paving 7 blocks Platt Ave., 4 blocks Kerckhoff Ave. and 5 blocks Balch Ave. C. Dillon, city clk.

Cal., Grass Valley—City plans to grade 1.4 mi. South Auburn and East Main Sts., 12-26 ft. wide, involving 14,600 sq.yd. concrete. About $30,000.

Cal., Merced—Bd. Supervs. Merced Co. having plans prepared by A. E. Cowell, co. surv. grading and paving with concrete and building culverts and bridges on 20.45 mi. road from Gustine to Los Banos road via Middle, Centinella, Los Banos and Volta Rds., 2.79 mi. from Dos Palos to South Dos Palos via Blossom St. and Lexington Ave.; 4.27 mi. road from Dos Palos to intersection with proposed Pacheo Pass State Highway, 6.18 mi. road from Stanislaus Co. line to proposed Milliken bridge, via Irwin and Hilmar, 25 mi. road from Mariposa Co. line to State Highway near Bear Creek bridge via Merced Falls, Snelling, Hopeton, Cox Ferry bridge, thence parallel to Yosemite Valley Ry. to Amsterdam and Shaffer Rds. and Cox Ferry. Bonds for $1,250,000 sold for project. P. J. Thorton, co. clk.

Cal., Okeechobee—Okeechobee Co. election May 3, to vote on $300,000 bonds to improve roads.

Cal., San Diego—Property owners organizing district and plan to improve streets on Point Loma, to include concrete, asphalt and macadam pavements, concrete gutters and curbs, cement walks and sanitary sewers. Plans include 1400 ft. timber bridge over railway tracks. About $350,000. Work to be done under supervision of city. Property owners on Inspiration Heights also plan to organize to pave Sunset Blvd. and other streets. G. Cromwell, city engr.

Cal., Yuba City—P. J. Wulff, engr. Bureau Rds., U. S. Dept. Agriculture, Wash., D. C., recommended that Bd. Supervs. Sutter Co. construct 100 mi. concrete paved roads, 8 ft. wide, crushed rock shoulders on either side. Bd. Supervs. may call election to vote on $1,250,000 bonds for project.

N. S., Halifax—City plans to spend $665,900 to pave streets.

N. S., Lunenburg—See "Waterworks."

Que., St. Lambert—City plans to spend $50,000 to pave streets and build roads.

Que., Ste. Rose—Laval Co. soon lets contract building 5 mi. road, running from eastern limits of St. Vincent de Paul Village, to Terrebonne Bridge, in Parish of St. Francois de Sales, macadam with asphaltic oil top. H. Chapleau, Ste. Rose, engr.

Ont., Brantford—City voted $83,654 bonds to build roads.

Ont., Listowel—J. Roger, engr., Council Chambers, soon lets contract building 7166 ft. road, 24 ft. wide, involving 7000 sq.yd. concrete. About $20,000.

Ont., St. Catharines—Lincoln Co. plans to expend $237,750 to build 29½ mi. tar macadam roads in Caistor, Gainsboro, South Grimsby, North Grimsby, Clinton, Niagara and Granthan Twps.

Ont., Sarnia—City voted $81,000 bonds to resurface various streets with asphalt. J. D. Stewart, clk.

Ont., Toronto—Comr. Dept. Pub. Wks., Toronto, recommended that various streets be paved with asphalt and concrete. Plans include Silverthorn St., Davenport Rd., Davisville and Prescott Aves. About $230,000. R. C. Harris, City Hall, engr.

Man., Parkdale—City of St. Andrews having plans prepared building 48 mi. road from here to Winnipeg Beach.

BIDS DESIRED

New Hampshire—Until Apr. 30, by F. E. Everett, comr. state highway, Concord, building 3913 ft. Central Trunk Line, 17 ft. wide, Sunapee Twp., involving 7400 sq.yd. bituminous macadam and 1320 cu.yd. excav. About $14,000. C. P. Riford, Concord, engr.

N. Y., Elmira Heights (Elmira P. O.)—Until Apr. 27, by N. Shock, village clk., improving 14th St. Work involves 10,500 sq.yd. vitr. shale brick pitch filled pavement, 3075 lin.ft. straight concrete curb with protection bar, 380 lin.ft. curved concrete curb with protection bar and 700 lin.ft. 5 in. medina headers; advertised in this issue.

N. Y., Patchogue—Until May 9, by E. B. Woodruff, village clk., paving and curbing North Ocean Ave. and Oak St., involving 13,000 sq.yd. concrete pavement and 3400 lin.ft. concrete curbing. E. A. May, civil engr.; advertised in this issue.

N. Y., S. I., St. George—Until Apr. 28, by C. D. Van Name, pres. Richmond Boro., building concrete curb with steel guard and laying vitr. brick gutter on concrete foundation, Andros Ave. from Richmond Terrace to Davidson St., involving 980 lin.ft. concrete curb and 140 sq.yd. vitr. brick gutter.

N. Y., S. I., St. George—Until Apr. 29, by C. D. Van Name, pres. Richmond Boro., regulating and repaving with granite block, Wave St. from Bay St. to Staten Island Rapid Transit Ry., involving 1050 sq.yd. granite block.

N. Y., S. I., St. George—Until May 2, by C. D. Van Name, pres. Richmond Boro., regulating and repaving with concrete, Forest Hill Rd. from Farm Colony Rd. to Rockland Ave., involving 6550 sq.yd. concrete.

New Jersey—Until May 7, by State Highway Comn., Broad St. Bank Bldg., Trenton, surfacing 37,750 sq.yd. State Highway Route No. 14, Rio Grande-Wildwood Junction Sect., and 21,384 sq.yd. State Highway Route No. 14, Wildwood Junction-Cape May Court House, both concrete, Cape May Co. A. L. Grover, ch. clk.

New Jersey—Until May 12, by State Highway Comn., Broad St. Bank Bldg., Trenton, surfacing 40,900 sq.yd. State Highway and Route No. 3, Elwood-DaCasta Sect., and 61,954 sq.yd. State Highway Route No. 3, Egg Harbor-Elwood Sect., both concrete, Atlantic Co. A. L. Grover, ch. clk.

N. J., Burlington—Until May 7, by Bd. Freeholders Burlington Co., building Camden Co. line-Marlton-Medford Rd., Evesham and Medford Twps., involving 75,000 sq.yd.

Streets and Roads (Continued)

sheet asphalt surface on macadam foundation; Moorestown-Mt. Holly Rd., Chester, Mt. Laurel, Lumberton and Northampton Twps., 75,000 sq.yd. sheet asphalt surface on macadam foundation; River Rd., from Palmyra to Broad Sts., Palmyra, Cinnaminson, Delran, Beverly and Burlington Twps., 75,000 sq.yd. sheet asphalt surface on macadam foundation; Sect. 2 Moorestown-Camden Pike, Chester Twp., 5717 sq. yd. sheet asphalt surface on concrete foundation; advertised in this issue.

N. J., Morristown—Until May 14, by Bd. Freeholders Morris Co., building Sussex St. from Blackwell to Clinton Sts., Dover Twp., Warrenite on concrete base, 32 ft. wide, cost, $70,000; Myrtle Ave., Warrenite pavement on repaired macadam base, 18 ft. wide, Booton Twp.; Main St. from Lackawanna R. R. to point 200 ft. from Sussex Co. line, amiesite on concrete base, Netcong Twp., $25,000.

N. J., Salem—Until May 12, by Bd. Freeholders Salem Co., building 2nd Sect. Penn Grove-Pennsville Rd., Upper Penns Neck and Lower Penns Neck Twps., involving 10,400 sq.yd. concrete pavement. I. C. Smashey, clk.; advertised in this issue.

Pa., Export—Until Apr. 30, by Boro., grading, curbing and paving Westmoreland St. Work involves 1500 cu.yd. excav., 1200 lin.ft. curbing and 2600 sq.yd. paving. J. Lindsay, secy.

Pa., Pittsburgh—Until May 15, by Allegheny Co., building 5700 ft. Painters Run and McLaughlin Run Rds., Bridgeville Boro., to point at or near overhead crossing of Beadling branch of Pittsburgh, Cincinnati, Chicago and St. Louis Ry., 18 ft. wide, concrete or asphaltic concrete. R. V. Warren, co. engr.

Maryland—Until May 6, by State Rds. Comn., 601 Garrett Bldg., Baltimore, paving 1.18 mi. Monroe St. from Eagle to Mosher Sts., asphalt, Baltimore City, Contr. B C-29A; 2.5 mi. State Highway from Grove to Bureau, concrete, Caroline Co., Contr. Co-18; 1.76 mi. State Highway through Rockville, concrete, Montgomery Co., Contr. M-17; advertised in this issue.

Md., Upper Marlboro—Until May 6, by Comrs. Prince Georges Co., building 1.10 mi. State Aid Highway along Cottage and Rhode Island Aves., 16 ft. wide, 8 in. concrete. J. N. Mackall, 601 Garrett Bldg., Baltimore, engr.

Va., Norfolk—Until May 9, at office of C. E. Ashburner, city mgr., improving 27,000 sq.yd. Class A streets and 17,000 sq.yd. Class B, sheet asphalt; advertised in this issue.

N. C., Beaufort—See "Excavation and Dredging."

O., Akron—Until May 19, by H. S. Morse, dir. pub. serv., Delaware Bldg., paving East Ave. from Wooster Ave. to Maple St. Work involves 9800 cu.yd. excav., 8900 lin.ft. sandstone and 1100 lin.ft. granite circle curb, 15,250 sq.yd. brick, asphalt or asphaltic concrete pavement and 1750 sq.yd. Hillside brick pavement, 53,600 sq.ft. artificial stone walks, 51 street inlets and 1460 lin.ft. 12 in. inlet pipe; advertised in this issue.

O., Akron—Until May 21, by H. S. Morse, dir. pub. serv., Delaware Bldg., repaving West Exchange St. from Bowery to Maple Sts. Work involves 5200 cu.yd. excav., 1000 lin.ft. sandstone and 670 lin.ft. granite circular curb and 5800 lin.ft. curb, redressed and reset., 14,100 sq.yd. stone block or vitr. brick pavement, 37,000 sq.ft. artificial stone walks, 32 street inlets and 700 lin.ft. 12 in. inlet pipe; advertised in this issue.

O., Edgerton—Until May 6, by Village Council, paving Michigan Ave. from Hull to Sargent Sts. (except between intersections of Indiana and Vine Sts.); Michigan Ave. and Clarksville Rd. from Sargent St. to south corporation line and Hicksville Rd. from Clarksville Rd. to south corporation line. Work involves 14,391 sq.yd. pavement, 6850 cu.yd. grading, 3185 lin.ft. 10-27 in. pipe sewer, 10 manholes and 20 catch basins, 470 lin.ft. circular and 5310 lin.ft. straight curb. Cost, $55,430. E. M. Gabriel, clk.

O., Toledo—Until Apr. 29, by Pub. Serv. Dir., 225 Valentine Bldg., building 93,180 sq.ft. cement sidewalk and 214,890 sq.ft. stone sidewalk. About $70,000. H. C. McClure, city engr.

Ind., Terre Haute—Until May 3, by Bd. Pub. Wks. grading and paving 300 lin.ft. alley between 7th and 8th Sts. from Cherry to Mulberry Sts., 20 ft. wide, involving 670 sq.yd. concrete, asphalt, wood block or 24 000 brick on 4 in. concrete base and 200 cu.yd. grading, cost $1800; 300 ft. alley between 4th and 5th Sts. from Cherry to Mulberry Sts., 16 ft. wide, involving 530 sq.yd. 7 in. concrete, asphalt, wood block or 19,000 bricks and 370 cu.yd. grading $13,000; 770 lin.ft. alley between 6th and 7th Sts. from Cherry to Mulberry Sts., 16 ft. wide, involving 1375 sq.yd. wood block, 7 in. concrete, asphalt or 50,000 bricks on 5 in. concrete base and 870 cu.yd. grading. R. A. Koerner, Terre Haute, engr.

Illinois—Until May 1, by State Highway Comn., Springfield, paving roads in following counties; Clark Co., 2000 ft. Sect. E, Route 7, 10 ft. wide, involving 2222 sq.yd. concrete, 1722 cu.yd excav., cost excluding cement, $8083;

Greene Co., 3173 ft. Sect. H, Route 3, 24 ft. wide, 7875 cu.yd excav., $8542; 5200 ft. Sect. F, Route 5, 24 ft. wide, both earth paving, 3150 cu.yd. excav., $4365;

De Witt Co., 16,698 ft. Sect. F, Route 11, 24 ft. wide, 13,098 cu.yd. excav., $9304; 9000 ft. Sect. G, Route 10, 24 ft. wide, both earth paving, 3169 cu.yd. excav., $2662;

Knox Co., 9300 ft. Sect. J, Route 6, 24 ft. wide, earth paving, 5230 cu.yd. excav., $4294;

Clay Co., 4100 ft. Sect. F, Route 6, 24 ft. wide, 2560 cu.yd. excav., $2140; 2705 ft. Sect. G, Route 6, 24 ft. wide, both earth paving, 2400 cu.yd excav., $3036;

Ogle Co., 7254 ft. Sect. F, Route 10 and 11, 10 and 16 ft. wide, 11,798 sq.yd. concrete, 4476 cu.yd. excav., $19,428;

Menard Co., 2000 ft. Sect. E, Route 4, 16 ft. wide, 3556 sq.yd. concrete, 2709 cu.yd. excav., $6380;

Cook Co., 20,276 ft. Sect. 58, Route 11C and 6B, 18 ft. wide, 40,743 sq.yd. concrete, 13,774 cu.yd. excav., $69,826; 5413 ft. Sect. 57, Route 1, 18 ft. wide, 10,826 sq.yd. concrete, 1882 cu.yd. excav., $17,820;

Marion Co., 3240 ft. Sect. G, Route 7, 10 ft. wide, 3600 sq.yd. concrete, 1950 cu.yd. excav., $7630;

Lawrence Co., 3950 ft. Sect. D, Route 5 and 6, 10 ft. wide, 4256 sq.yd. concrete, 2330 cu.yd. excav., $9113;

Mason Co., 4000 ft. Sect. B, Route 1, 16 ft. wide, 7111 sq.yd. concrete, 1022 cu.yd. excav., $11,804;

Cass Co., 1063 ft. Sect I, Route 2, 10 ft. wide, 1181 sq.yd. concrete, 600 cu.yd. excav., $1914; 2806 ft. Sect. J, Route 7, 10 ft. wide, 3118 sq.yd. concrete, 2600 cu.yd. excav., $6223;

White Co., 4484 ft. Sect. D, Route 5, 10 ft. wide, 4982 sq.yd. gravel, 5145 cu.yd excav., $6690;

Champaign Co., 3440 ft. Sect. K, Route 2, 10 ft. wide, 3822 sq.yd. brick, 2225 cu.yd. excav., $13,556; 5532 ft. Sect. L, Route 5, 10 ft. wide, 6147 sq.yd. brick, 2956 cu.yd. excav., $20,521. C. Older, ch. highway engr.

Illinois—Until Apr. 30, by State Highway Comn., Springfield, paving roads in following counties: Schuyler Co., 2571 ft. Sect. F, Route 1, 10 ft. wide, involving 2587 sq.yd. concrete, 1087 cu.yd. excav., cost excluding cement, $5209; 2192 ft. Sect. G, Route 2, 10 ft. wide, 2436 sq.yd. concrete, 2498 cu.yd. excav., $5581;

Warren Co., 3741 ft. Sect. G, Route 11, 16 ft. wide, 7109 sq.yd. concrete, 2155 cu.yd. excav., $13,972;

Hancock Co., 13,000 ft. Sect. I, Route 1, 24 ft. wide, 6687 cu.yd. excav., $7296; 12,600 ft. Sec. J, Route 13, 24 ft wide, both earth paving, 4462 cu.yd. excav., $8624;

Lake Co., 6060 ft. Sect. J, Route 6, 18 ft. wide, 12,120 sq.yd. concrete, 9371 cu.yd. excav., $21,400;

Cumberland Co., 11,300 ft. Sect. E, Route 1, 10 ft. wide, 12,555 sq.yd. gravel, 4773 cu.yd excav., $18,852;

Christian Co., 9500 ft. Sect. I, Route 9, 15 ft. wide, 4383 cu.yd. excav., $4703; 1800 ft. Sect. J, Route 15, 15 ft. wide, 8585 cu.yd. excav., $5271; 4500 ft. Sect. K, Route 23, 15 ft. wide, 2224 cu.yd. excav., $4806; 7073 ft. Sect. L, Route 20, 15 ft. wide, 3830 cu.yd. excav., $5283; 10,400 ft. Sect. M, Route 3, 15 ft. wide, oiled earth paving on all, 4730 cu.yd. excav., $5241;

Stephenson Co., 5300 ft. Sect. F, Route 1, 10 ft. wide, 5889 sq.yd. brick, 3486 cu.yd. excav., $20,400;

Bureau Co., 3456 ft. Sect. F, Route 4, 15 ft. wide, 5760 sq.yd. concrete, 1850 cu.yd. excav., $10,990; 4000 ft. Sect. G, Route 1, 15 ft. wide, 6667 sq.yd. concrete, 2466 cu.yd. excav., $11,486;

Will Co., 10,001 ft. Sect. G, Route 13, 18 ft. wide, 20,275 sq.yd. concrete, 3605 cu.yd. excav., $30,318;

Bond Co., 1783 ft. Sect. E, Route 6, 10 ft. wide, 2120 sq.yd. brick, 3000 cu.yd. excav., $9226;

Carroll Co., 2825 ft. Sect. D, Route 8, 4978 sq.yd. concrete, 960 cu.yd. excav., $9752;

Edwards Co., 1550 ft. Sect. D, Route 2, 10 ft. wide, 1722 sq.yd. gravel, 1500 cu.yd excav., $3430;

Adams Co., 4459 ft. Sect. E, Route 5, 15 ft. wide, 7432 sq.yd. waterbound macadam, 9653 cu.yd. excav., $12,037.

Marshall Co., 22,810 ft. Sect. F, Route 9, 24 ft. wide, earth paving, 22,462 cu.yd excav., $17,820;

Pope Co., 9 concrete bridges, Sect. D, Route 1 and 3, $2370;

Hamilton Co., 1 concrete bridge, Sect C, Route 6, $5250;

Scott Co., 1 concrete bridge, Sect. H, Route 1A, $3050;

Massac Co., 5 concrete bridges, Sect. G, Route 3, $4190. C. Older, ch. highway engr.

Wis., Manitowoc—Until Apr. 28, by Pitz & Pentzein, engrs., 8th and Jay Sts., building 31,100 sq.ft. curb and sidewalks and 13,700 sq.ft. curb and house walks, involving 44,000 lin.ft. concrete curb and gutter and 44,700 lin.ft. concrete sidewalk, cost, $35,000; also 25,000 ft. curb and gutter, crushed stone and macadam pavement and 12,000 cu.yd. asphalt pavement, involving 8000 lin.ft. concrete curbing, 12,000 sq.yd. asphalt and 9930 sq.yd. concrete, $25,000.

Wis., Sheboygan—Until May 1, by G. W. Ubbelohde, engr., 1613 North 7th St., grading and paving 3.23 mi. Plymouth-Sheboygan Falls Rd., 20 ft. wide, involving 20,000 sq. yd. concrete and 5315 cu. yd. earth excav., etc. About $30,000.

Minn., Austin—Until May 14, by O. J. Simmons, aud. Mower Co., building Job No. 1901, State Rd. No. 3, involving 14,230 cu.yd. graveling and 4000 cu. yd. stripping, cost, $17,234; Job No. 1902, State Rd. No. 2, 2047 cu.yd. graveling and 800 cu.yd. stripping, $3182; Job No. 1903, State Rd. No. 8, 5184 cu.yd. graveling and 1800 cu.yd. stripping, $5988. A. X. White, Austin, engr.

Minn., Detroit—Until May 6, by J. A. Narum, aud. Becker Co., grading 2 mi. and graveling 4 mi. Federal Aid Project. No. 59, State Rd. No. 1, involving 20,769 cu.yd earth excav., cost $15,000; 5 mi. Federal Aid Project No. 15, 24 ft. wide, 18,000 cu. yd. gravel surfacing, $25,000. H. W. Teague, Detroit, engr.

Minn., Hastings—Until May 15, by Dakato Co. paving 6 mi. Federal Aid Project No. 23, 20 ft. wide. About $180,000. C. L. Methren, Hastings, engr.

Minn., Long Prairie—Until May 7, by Aud. Todd Co., and State Highway Dept., St. Paul, grading and graveling 5 mi. Federal Aid Project No. 26, 24 ft. wide, involving 30,000 cu.yd. earth excav. and 6000 cu. yd. gravel-surfacing. About $25,000. A. M. Graves, Long Prairie, engr. Noted Apr. 10.

Minn., Windom—Until May 20, by Cottonwood Co., grading and graveling 17 mi. Federal Aid Project No. 43, 24 ft. wide. About $80,000. D. R. Savage, Windom, engr.

Neb., David City—Until May 12, by M. L. Bouse, clk., Butler Co., grading Osceola-David City Rd., 24 ft., wide; Butler and Polk Counties. Work involves 37.68 mi. grading, 7751 sq.yd. concrete paving and 171,611 cu.yd. earth excav. About $80,000. G. E. Johnson, Lincoln, state engr. Noted Feb. 13

Neb., Gage—Until May 13, by G. L. Mumford, clk. Beatrice Co., grading 29.7 mi. Beatrice-Fairbury Rd., 24 ft. wide, in Gage Co., (Beatrice), and Jefferson Co., (Fairbury). About $60,000.

Neb., Humphrey—Until May 14, by J. A. Zavadil, city clk., paving 14,000 yd. Bids will be received on brick and asphalt, 5 in. concrete base and concrete on 6 in. concrete base. W. E. Standeven, 414 Bee Bldg., Omaha, engr.

Neb., Nebraska City—Until May 14, by G. R. Sayles, clk. Cass Co., grading Nebraska City-Plattsmouth Rd., 24 ft. wide, Otoe and Cass Counties, involving 144,000 cu.yd. earth excav. About $55,000. G. E. Johnson, Lincoln, state engr. Noted Feb. 13.

Neb., Rushville—Until May 15, by W. C. Mounts, clk. Box-Butte Co., grading Alliance-Antioch Rd., 24 ft. wide, Box-Butte and Sheridan Counties. Work involves 14.8 mi. grading, 9 mi. sand-clay surfacing, 72,200 cu.yd. earth excav., etc. About $43,000. G. E. Johnson, Lincoln, state engr. Noted Feb. 13.

Neb., St. Paul—Until May 12, by J. E. Steeple, city clk., paving 16,000 yd. Bids will be received on brick and asphalt, 5 in. concrete base and concrete on 6 in. concrete base. W. E. Standeven, 414 Bee Bldg., Omaha, engr.

Streets and Roads (Continued)

Neb., Wahoo—Until May 12, by J. B. Hines, clk. Saunders Co., grading 30.3 mi. Fremont-Ceresco Rd., 24 ft., wide, in Dodge and Saunders Counties, involving 145,750 cu.yd. earth excav. About $55,000. G. E. Johnson, Lincoln, state engr. Noted Feb. 13.

Arkansas—Until May 7, by State Highway Dept., Little Rock, building 93 mi. gravelled roads radiating from Arkadelphia, Rd. Dist. No. 1, Clark Co. Work has been divided into 5 sections ranging from 10 to 30 mi. Lund & Hill, 527 Southern Trust Bldg., Little Rock, engrs.; advertised in this issue.

Utah—Until Apr. 29, by State Rd. Comn., Salt Lake City, hard surfacing 6.05 mi. Midland Trail between Price and Helper, 14 ft wide, concrete, 4 ft.. dirt shoulders; also grading 4.4 mi. Fisher Pass section of Lincoln Highway, 20 ft. wide, rock, $10,000. I. R. Browning, state engr.

Washington—Until Apr. 28, by State Highway Bd., Olympia, grading, draining and gravel surfacing 6.2 mi. North Central Highway, between Harrington and Mohler, Lincoln Co. J. Allen, state highway comr.

Wash., Colfax—Until May 5, by Comrs. Whitman Co., grading, draining, bridging and surfacing with crushed rock or gravel 7.75 mi. Improved Rd. No. 2 from end of Highway No. 9 toward Palouse. A. L. Maxwell, co. aud.

Cal., Manhattan Beach—Until May 7, by city, improving 14 blocks Ocean Ave., concrete and asphalt paving, cement curbs and sidewalks, etc.

Cal., Santa Barbara—Until May 1, by S. B. Taggart, city clk., improving Sola St., et al. Plans include grading, 4 in. concrete paving with 1½ in. Warrenite surface, cement curbs and gutters, 6 in. vitr. pipe sewer connections, etc. A. B. Cook, city engr.

Que., Longueuil—Until May 1, by city building 2 mi. roadway. About $20,000. A. Vincent, St. Alexander St., engr. Noted Apr. 3.

Que., St. Severe—Until June 2, by J. L. Decarie. Parliament Bldg., Quebec. graveling roads. About $25,000.

Ont., Guelph—Until May 1, by F. McArthur, city engr., resurfacing about 10,000 sq.yd. pavement, asphalt, concrete or bituminous concrete. Cost $20,000.

Ont., Owen Sound—See "Bridges."

Ont., Toronto—Until May 16, by city paving Davenport Rd. between Grand Trunk and Ford St., asphalt on 8 in. concrete foundation, concrete curbs and brick block gutters. About $87,995. W. A. Littlejohn, clk.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Massachusetts—State Highway Comn., Capitol, Boston, received bids Apr. 1. building 37,000 ft. State Highway, Petersham Twp., involving 148,000 gal. bituminous macadam, 12,000 cu.yd. earth and 600 cu.yd. rock excav., 5500 cu.yd. borrow and 17,800 ton broken stone, from Lane Constr. Co., 37 Colony St., Meriden, Conn., $143,-075; R. H. Newell Co., Uxbridge, $157,261; B. Perrini Co., 15 Court St., Boston, $166,-365.

Massachusetts — State Highway Comn., Capitol, Boston, received bids Mar. 25, building State Highway, 18-24 ft. wide, Concord Twp., involving 11,900 gal. bituminous macadam, 10,000 cu.yd. earth and 40 cu.yd. rock excav., 15,000 cu.yd. borrow, 14,200 ton broken stone and 7600 ton trap rock in place, from J. Fannon, 28 Hinckly St., Somerville, $131,853; J. W. McDuff, Summer St., Boston, $142,023; Hanscom Constr. Co., West Medford, $144,555.

Massachusetts—State Highway Comn., Capitol, Boston, received bids Apr. 8, building 10,000 ft. State Highway, 18-24 ft. wide, Danver Twp., from Nelson & Hamlin, Salem, $34,541; Welch & Monahan, South Hamilton, $35,887; J. C. Collins, 33 Pearson St., Andover, $38,773. Noted Apr. 3.

Mass., Boston—Comn. Waterways & Pub. Lands received bids Apr. 2, paving 2900 ft. Drydock Ave., 70 ft. wide, involving 24,500 sq.yd. granite block on 6 in. gravel base, 5950 lin.ft. stone curbing, 2900 sq.yd. brick sidewalk and 3800 cu.yd earth excav., from Coleman Bros., Chelsea, $149,-103; McGuire & McGoutry Co., Boston, $164,670; Alco Contg. Co., Boston, $164,890. Noted Mar. 20.

Mass., Fall River—City received only bid building granolithic sidewalk for 1 year, from Beattie & Cornell, 30 North Quarry St., $2.45 per cu.yd.

Mass., New Bedford—City received bids paving 4947 sq.yd. Acushnet Ave., from Simpson Bros. Corp., Devonshire St., Boston, wood block, $4.60 per sq.yd., Hassam, $3.55 per sq.yd.; Warren Bros. Co., Berkeley St., Boston, endurite, $1.99 per sq.yd.

★Rhode Island—State Bd. Pub. Rds., Providence, let contract building 2.24 mi. road in Smithfield and Gloucester Twps., to R. H. Newell & Son, Uxbridge, Mass., $82,854. Noted Apr. 10.

★R. I., Providence—Water Supply Bd. let contract building 1.8 mi. road in Scituate Twp., (Contr. 4), to Sperry Eng. Corp., 82 Church St., New Haven, Conn., $54,306; 3.4 mi. road Foster Twp., (Contr. 7), to E. W. Foley Constr. Corp., New York City, $45,762. Noted Mar. 27.

★N. Y., Buffalo—City let contract to H. P. Burgard, Fillmore Ave., repaving and renewing curb and sidewalks on 1956 ft. Myrtle Ave., 24 ft. wide, involving 5239 sq.-yd. asphalt on 6 in. concrete base and 2640 lin.ft. sandstone curbing, $26,980; tearing up old pavement and repaving with concrete base and asphalt top, repairing curbs and drives on 2623 ft. West Ferry St., 26 ft. wide, involving 8403 sq.yd. asphalt on 6 in. concrete base and 4149 lin.ft. sand or limestone curbing, $48,540.

★N. Y., Buffalo—Erie Co. let contract building 1 mi. Delaware Ave., Kenmore Village, to F. W. Knickenberg; 2.8 mi. Rapids-Greiner Rd., Newstead and Clarence Twps., to Cold Spring Constr. Co., Ellicott Sq., $22,000; 3.8 mi. Center St., Golden Twp., to E. J. Hessell, East Aurora, $53,000; Pontiac-Derby Rd., Evans Twp., to Rossney Contg. Corp., 37 Heath St., $37,900; 3 mi. East Concord-Springfield Rd., Concord Twp., to F. J. Mumm Contg. Co., 176 Best St., $37,700. Noted Feb. 6 and Apr. 3.

★N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., let contracts regulating and grading sidewalks and gutter spaces, laying sidewalks, etc., on Barclay St. and Gates Ave. to R. A. Hess Inc., $598 and $1230 respectively; Delaware Ave. to Scott & Kurth, $270; 153rd St. to Peace Bros., 20 Main St., Flushing, $1596; 1st and 2nd Wards, to Sicilian Asphalt Paving Co., Paidge Ave., $13,325. Noted Apr. 10.

★N. Y., Rochester—City let contracts to J. E. Crouch, Rochester, repairing Livonia-Conesus, Nunda-Dalton, Kuders Crossing and Springwater Town Line Rds.; Dansville-Mount Morris and Craig Colony Rds., $7857 to R. W. Corp., East Belle Isle Yard, Syracuse, Mount Morris-Geneseo and Mount Morris Village Rds., $44,647.

★N. Y., Watertown—City will pave West Main St. between Mill and Leray Sts. Work will be done by day labor.

★Pennsylvania—State Highway Comn., Harrisburg, let contracts building roads in counties, as follows: (a) Allegheny Co., Springdale Boro (a1) Hampton and Richland Twps.; (b) Bradford Co., (c) Fulton Co.; (d) Jefferson Co., (e) Pike Co., (f) Lackawanna Co., Moscow Boro., (f1) Dunmore Boro. and Roaring Creek Twp., (g) Somerset Co., (h) Berks Co., (i) Lebanon Co., Jackson, North Lebanon and South Lebanon Twps., (i1) North Lebanon, North Cornwall, Annville, North Annville, South Annville and North Londonderry Twps., to Booth & Flinn, Ltd., 1942 Forbes St., Pittsburgh, (a) $90,563; D. McNeill Co., Jenkins Arcade, Pittsburgh, (a1) $443,307; T. H. Gill Co., Binghamton, N. Y., (b) $146,441; Snyder-Phillips Co., Phila., (c) $131,305; Dale Eng. Co., Mann Bldg., Utica, N. Y., (d) $205,049; H. P. Sproul Constr. Co., 107 South Division St., Peekskill, N. Y., (e) $199,827, (f) $72,831; O'Brien Bros., Division St., Avoca, (f1) $239,592; Vipond Constr. Co., 2222 Beale Ave., Altoona, (g) $59,922; Union Paving Co., 30th and Locust Sts., Phila., (h) $72,480, (i) $59,520, (i1) $69,642. Noted Mar. 27.

★Pennsylvania—State Highway Comn., Harrisburg, let contract building 8000 ft. rein.-con. road in Washington and Quincy Twps., Franklin Co., to Burgess & Derrier, Scottsville, Va., $43,959.

★Pa., Erie—City let contract to J. McCormick & Sons, 717 West 11th St., paving Holland St. between 26th and 29th Sts., cost, $8072; Liberty St. between 4th and 2nd Sts., $9060; Raspberry St. between 26th and 30th Sts., $10,485; J. and M. Doyle, 29th St. between Peach and Cherry Sts., $22,735; Mayer Bros. Constr. Co., Commerce Bldg., 30th St. between Peach and Cherry Sts., $18,841; Dunn St. between Lake Rd. and 5th St., $4085.

★Pa., New Kensington—Boro. let contract grading, paving and curbing [illegible] St. from Stanton to Ridge Aves., [illegible] St. from Taylor Ave. to Freeport R[illegible] and from Stanton Ave. to Taylor Rd.; also Ridge Ave. from end of present pavement to Caltalpa St., to State Constr. Co., foot 5th St. About $55,000. Noted Apr. 3.

Pa., Pittsburgh—H. J. Barnes, boro. secy., received bids Apr. 11, improving Pittsburgh St., (a) concrete sidewalk class "A," (b) concrete sidewalk class "B," (c-1) concrete curb, corner bar protection class "A," (c-2) same, class "B," (d-1) concrete curb, structural protection class "A," (d-2) same, class "B," from J. [illegible] Scottdale, (a) $43,803, (b) $45,203, (c-1) $46,659, (c-2) $48,059, (d-1) $52,567, (d-2) [illegible] Gary, c/o New Kensington Hotel, New Kensington, (a) $45,809, (b) $44,759, (c-1) $47,849, (c-2) $46,799, (d-1) $51,249, (d-2) $50,199; Booth & Flynn, 1942 Forbes St., (a) $47,428, (b) $46,728, (c-1) $50,828, (c-2) $50,128, (d-1) $53,140, (d-2) $52,440; State Constr. Co., New Kensington, (d-2) $53,050.

Pa., Pittsburgh—J. P. Moore, controller Allegheny Co., received bids Apr. 15, building 5300 ft. Renton Rd. in Plum Twp., 16 ft. wide, (a) waterbound macadam, (b) bituminous macadam, from L. H. Hileman, New Kensington, (a) $64,698, (b) $71,458; R. H. Cunningham, Turtle Creek, (a) $66,411, (b) $71,721; T. Cronin, 17th and Muriel Sts., (a) $67,375, (b) $74,455. Work involves 11800 sq. yd. pavement, 2000 sq. yd. paved gutter, 21,500 cu. yd. earth excav. and 9100 ft. 4-24 in. terra cotta pipe. Noted Apr. 3.

★Pa., Pittsburgh—J. P. Moore, controller Allegheny Co., let contract building 10,500 ft. New England Rd., Mifflin Twp., 16 ft. wide, Telford macadam with waterbound macadam wearing surface, to A. Ancarani, Portvue. About $105,030. Noted Mar. 27.

★Md., Salisbury—Wicomico Co. will build 7½ mi. road from White Haven to Catch Penny, rolled oyster shell, 16 ft. wide. Work will be done by day labor.

★S. C., Marion—Comrs. Marion Co. let contract building 3½ mi. road and several bridges, to Chitwood & Palmer, Columbia, $40,668. Noted Dec. 5.

★Ga., Cairo—City let contract paving and curbing 3500 ft. Broad St., 40 ft. wide, to Southern Clay Mfg. Co., Volunteer Life Bldg., Chattanooga, Tenn., $2.75 per yd. Work involves 11,000 sq.yd. vitr. brick and 3500 lin.ft. concrete curbing.

★Miss., Greenville — Highway Comn. Washington Co. let contract resurfacing 58.4 mi. concrete and gravel roads, 9 and 12 ft. wide, to C. G. Kershaw, Woodward Bldg., Birmingham, Ala. About $709,000. Work involves 21,000 cu. yd. earth excav. Noted Mar. 13.

★Ohio—State Highway Comn., Columbus, let contract grading, building bridges and culverts and paving with monolithic brick, 7.71 mi. Sect. J and 5.43 mi. Sect. Q, Cleveland-Buffalo Rd., Lake Co., to Freshwater & Son, Zanesville, $275,822 and $195,-363 respectively; 9550 ft. Sect. F, Steubenville-Cambridge Rd., waterbound macadam, to S. W. Wrightser & Son, Logan, $30,690. Noted Apr. 10.

Ohio—State Highway Comn., Columbus received bids Apr. 17, paving, grading, draining and building bridges on 4.18 mi. Sect. "I," Columbus-Millersburg Rd., Knox Co., waterbound macadam, from L. B. Wilson, Newark, $44,899; E. M. Turner, Logan, $45,401. Noted Apr. 10.

O., Columbus—G. A. Borden, pub. serv. dir., received bids Apr. 13, grading, draining, curbing, paving and laying water mains (a) High St. from Poplar to Cedar Sts.; (b) Chestnut St., from High to 4th Sts.; (c) Neilston St. from Long to Lafayette Sts.; from Franklin Asphalt Paving Co., Columbus, (a) $22,730; (b) $26,-153; (c) $5734; A. G. Pugh, Columbus, (a) $23,389; (b) $27,405; (c) brick, $5342; asphalt, $5237; Andrews Asphalt Paving Co., Arcade Bldg., (a) $23,511; (c) asphalt, $5271; Cleveland Trinidad Paving Co., Arcade, Cleveland, (b) $26,625; Federal Paving Co., Columbus, (c) brick, $5106; G. Geilgle & Son, Columbus, (c) brick, $5460. Noted Apr. 3.

O., Toledo—Comrs. Lucas Co. let contract to M. P. Hannin, Valentine Bldg., at $105,272, for 209,850 sq.yd. of surface treatment of from 3 to 5 gal. Tarvia C. T. to sq.yd. without grit cover; also 680,650 sq. yd. of from 3 to 5 gal. Tarvia C. T. to sq. yd. with cover on 99 mi. roads. Noted Apr. 3.

Streets and Roads (Continued)

★**Mich., Detroit**—See "Proposed Works."

Mich., Detroit—Dept. Pub. Wks. received bids paving following streets and alleys: (a) Leslie Ave. from Wabash Ave. on North to Oakman Ave., 24 ft. wide; (b) Waterloo Ave., from Conners to Drexel Aves., 26 ft. wide; (c) Beuna Vista Ave. from Herman to Ellen Aves., 24 ft. wide; (d) Alexandrine Ave. from Duboise St. to McDougall Ave., 26 ft. wide; (e) Fulton St. from Wabash R. R. to southerly end of street, 26 ft. wide; (f) Grand Ave. from Herman Ave. to 12th St., 24 ft. wide; (g) Waverly Ave. from Herman to 12th St., 24 ft. wide; (h) Tyler Ave. from Herman Ave. to 12th St., 24 ft. wide; (i) Leland St. from St. Aubin Ave. to Chene St., 26 ft. wide; (j) Huron St. from Ottawa to Bagg Sts., 20 ft. wide; (k) 12th St. Sect. 1, from alley north of Virginia Park to Webb Ave., 42 ft. wide less 18 ft. track space; (l) Van Court Ave. from Warren to Tireman Aves., 26 ft. wide; (m) Drexel Ave. from pavement south of Mack to Mack Ave., 26 ft. wide; (n) Highland Ave. from Highland Park line to 12th St., 24 ft. wide; (o) Monterey Ave. from Herman Ave. to 12th St., 24 ft. wide; (p) Military Ave. from Plumer to Federal Sts., 26 ft. wide; all asphaltic concrete. (q) Alley No. 979, T alley between Hamilton, Meadowbrook and Jefferson Aves., 18 ft. wide; (r) Alley No. 980, between Seyburn, Van Dyke, Canfield and Forest Aves., 20 ft. wide; (s) Alley No. 981, between Helen, Canfield and Forest Aves. and East Grand Blvd., 20 ft. wide; (t) Alley No. 982, between Glover and Hilger Aves., south of Edlie Ave., 16 ft. wide; (u) Alley No. 983, between Burns, Fisher, St. Paul and Kercheval Aves., 18 ft. wide; (v) Alley No. 984, between Avery, Commonwealth, Forest and Hancock Aves., 20 ft. wide; all alleys with 1 course concrete, from Detroit Asphalt Paving Co., 20 McGraw Bldg.

(a) $30,857; (b) $28,341; (c) $23,207; (d) $25,408; (e) $14,366; (f) $15,378; (g) $14,952; (h) $14,670; (i) $13,824; (j) $11,206; (k) $120,831; (l) $38,204; (m) $14,983; (n) $15,395; (o) $14,501; (p) $7858.

Cleveland Trinidad Paving Co., 2940 Woodward Ave., (a) $30,699; (b) $28,993; (c) $23,117; (d) $25,898; (e) $14,570; (f) $15,155; (g) $14,749; (h) $14,478; (i) $14,059; (j) $11,524; (k) $116,690; (l) $38,551; (m) $15,322; (n) $15,163; (o) $14,219; (p) $7952.

W. B. Brady Constr. Co., 1972 Grand River Ave., (a) $31,271; (b) $29,188; (c) $23,562; (d) $26,611; (e) $14,825; (f) $15,443; (g) $15,016; (h) $14,734; (i) $14,463; (j) $11,738; (k) $115,490; (l) $38,959; (m) $15,382; (n) $15,449; (o) $14,502; (p) $8186.

Liberty Constr. Co., Penobscot Bldg., (q) $5004; (u) $3650.

T. E. Currie, 20 McGraw Bldg., (q) $4937; (t) $1202; (u) $3610.

Otis Cement Constr. Co., 806 Hammond Bldg., (q) $4976; (r) $4973; (s) $4853; (u) $3650; (v) $2277.

Talbot Co., 400 Penobscot Bldg., (r) $5074.

E. Meredith Co., 145 Harper Ave., (r) $5171; (s) $4853; (t) $1278.

R. J. Powelson Co., 1577 Iroquois Ave., (s) $5089; (t) $1298.

Oakwood Constr. Co., Ford St. and Wabash R. R., (v) $2277.

Lennane & McIlvenna, Union Trust Bldg., (v) $2156. Noted Apr. 10.

★**Ill., Bellville**—St. Clair Co. let contract earth grading and building culverts on 13,800 ft. East St. Louis-Caseyville Rd., to H. H. Hall Constr. Co., Murphy Bldg., East St. Louis, $13,007.

★**Wis., River Falls**—City let contract paving 16,000 sq.yd. road 24 ft. wide, to Johnson & Drake Co., 905 Plymouth Bldg., Minneapolis. About $34,000.

Wis., Sheboygan—City received bids (a) grading and paving with concrete 8.9 mi. Green Bay Rd., Cedar Grove Village, 20 ft. wide; (b) 5.75 mi. Upper Fall Rd., Sheboygan Twp., Kohler Village, 20 ft. wide; (c) 7.8 mi. Waldo-Cascade Rd., Hyndon Twp., 20 ft. wide, from Jorgenson Constr. Co., Elm St., Denmark, (a) $0.81 for grading, $1.79 for paving; (b) $0.82 grading, $1.80 paving; (c) $0.84 grading, $1.84 paving; J. Theume, Main St., Cedar Grove, (a) $1.05 grading, $2.10 paving; J. Braur Constr. Co., South 12th St., Sheboygan, (b) $0.66 grading, $1.87 paving; Dear Constr. Co., Grand Ave., Milwaukee, (b) $1.15 grading, $1.86 paving; F. Radloff, Division St., Plymouth, (c) $0.94 grading, $2.17 paving; Pestur-Nauman, North 9th St., Sheboygan, (c) $0.90 grading, $2.25 paving. Noted Apr. 17.

★**Ia., Cherokee**—Comrs. Cherokee Co. let contract grading, clearing, grubbing and placing 1080 lin. ft. temporary culverts on 11.7 mi. road, to G. W. Condon, 415 Farnam Bldg., Omaha, Neb., $30,507. Work involves 1080 lin. ft. culverts at $0.40 per lin. ft., 82,500 cu. yd. earth and 500 cu. yd. loose rock excav., $0.36 and $0.75 per lin. ft., respectively.

★**Ia., Clinton**—Comrs. Clinton Co. let contract grading, clearing, grubbing and building culverts on 5½ mi. Lincoln Highway, to Fuller Bros. & Co., Muscatine, $0.45 cu.yd., total cost, $23,131. Work involves 2450 cu.yd. borrow, 45,750 cu.yd. earth and 610 cu.yd. ditch. excav.

★**Ia., Denison**—Comrs. Crawford Co. let contracts grading 11½ mi. Vail, Byer, Shelby, Ida Grove, Kenwood and Hill Rds.; 154,048 cu.yd., to W. R. Grinnell, 2150 Ingersoll Ave., Des Moines, $0.37 to $0.385 per cu.yd., total cost, $57,858; 41,668 cu.yd., to G. W. Condon, 415 Fornam Bldg., Omaha, Neb., $0.37 per cu.yd., total cost, $14,792.

★**Ia., Logan**—City let contract building 60,000 sq. yd. concrete or monolithic brick pavement, 40,000 lin.ft. concrete curb and gutter and storm sewerage system, to E. A. Wickham Co., Council Bluffs., $211,188. Noted Apr. 3.

★**Ia., Primghar**—Comrs. O'Brien Co. let contract paving with concrete 6-8 in. thick, curbing, guttering and excavating on 4½ mi. streets in Sanborn Twp., 20-60 ft. wide, to Dearborn Constr. Co., Waterloo Savings Bldg., Waterloo, $203,000. Work involves 70,000 sq.yd. concrete 20-40 ft. wide, at $2.33 per sq.yd. and 40-60 ft. wide, $2.57 sq.yd. and 39,000 lin.ft. concrete curb at $0.59 to $0.69 lin.ft.

★**Minn., Fergus Falls**—Comrs. Ottertail Co. let contract grading and graveling 19.5 mi. Federal Aid Project No. 29, 29 ft. wide and building extension to culvert, to Winston Bros., 801 Globe Bldg., Minneapolis, $98,353, and $297 respectively; furnishing concrete sectional pipe to Concrete Products Co., Elk River, $3705. Noted Apr. 3.

★**Minn., Redwood Falls**—Comrs. Redwood Co. received no bids grading and surfacing State Rd. No. 10, Job Nos. 1702A and 1702B; State Rd. Nos. 13 and 14, Job No. 1901. Bonding Co. will complete work. Noted Apr. 3.

★**Minn., Wabasha**—Comrs. Wabasha Co. let contract to A. Guthrie & Co., 366 Jackson St., St. Paul, building 14 mi. Federal Aid Project No. 21, State Rd. No. 1 and 2, 24 ft. wide, cost, $36,984; surfacing 22 mi. Federal Aid Project No. 46, State Rd. No. 1 and 2, 24 ft. wide, $40,387. Noted Apr. 3.

★**Neb., Lincoln**—Lancaster Co. let contract grading 4 mi. West Emerald Rd., 24 ft. wide, to Cook-O'Brien Constr. Co., Kansas City, Mo., $16,250. Work involves 50,000 cu.yd. earth excav. Noted Mar. 27.

N. D., Jamestown—Comrs. Stutsman Co. received bids grading Federal Aid Project No. 24, (a) Sect. 1, involving 14,607 cu.yd. turnpike and 71,863 cu.yd. earth excav., (b) Sect. 2, 20,737 cu.yd. turnpike, 87,555 cu.yd. earth and 19 cu.yd. loose rock excav., (c) Sect. 3 (concrete culverts and bridges), 265 cu.yd. Class A concrete, 6983 lbs. metal reinforcement and 1410 cu.yd. structural excav., from Stevens Bros., St. Paul, Minn., (a) $32,547, (b) $41,010, (c) $9320; W. H. Noel, Jamestown, (a) $32,068, (b) $42,689; C. Humphrys & Stanley Bros., St. Cloud, Minn., (a) $33,383, (b) $42,630; C. C. Jackson, Jamestown, (c) $8587; J. A. Jardine, 1123 1st Ave., S., (c) $9363. Noted Mar. 20.

Mont., Billings—City received only bid Apr. 1, paving 95,000 sq.yd. North 31st St., from Warren Constr. Co., Journal Bldg., Portland, Ore., $42,161. Noted Mar. 20.

★**Mont., Great Falls**—Cascade Co. will surface Sand Coulee-Stockett Rd. and grade Bird Tail Rd. and Sullivan Hill. Work will be done by day labor. About $50,000. R. G. Day, Great Falls, engr.

Mo., St. Louis—Bd. Pub. Serv. received lowest bid improving Slevin Ave. from Euclid to Kennerly Sts., involving 2400 sq. yd. brick paving and 1560 lin.ft. curbing, from Skrainka Constr. Co., Security Bldg., $10,841; paving Labadie Ave. from Belt to Clara Sts., 2315 sq.ft. asphalt paving and 1620 lin.ft. granite curbing, also Thelka St. from Partridge Ave. to Minika St., 3315 sq.ft. asphalt paving and 2605 lin.ft. granite curbing, from F. P. McCormick, $12,216 and $18,857 respectively. Noted Mar. 20.

★**Okla., Okmulgee**—City Comrs. let contract paving various streets, to Park-Moran Co., Okmulgee, $45,782. Apr. 17.

Utah—State Rd. Comn., Capitol, Salt Lake City, received bids Apr. 8, building 11.12 mi. State Highway between Midvale and Lehi, 18 ft., wide, from J. W. Mellen, Auditorium Bldg., $329,010, P. J. Moran, Felt Bldg., $332,227, Hensser, Packard & Co., Atlas Bldg., $342,124; 4.85 mi. State Highway from Mogna east to Murray, 18 ft. wide, from P. J. Moran, Felt Bldg., $133,478, O. H. Gray, University Club, $137,326, H. G. Gilkerson, 26 Richards St., $138,210; 5.36 mi. State Highway from Murray south to Midvale, 18 ft. wide, from Campbell Bldg. Co., New House Bldg., $121,330, Stange Maguire Paving Co., Utah Savings and Trust Bldg., $124,552, P. J. Moran, Felt Bldg., $125,488. All contractors of Salt Lake City. Noted Mar. 20.

★**Ariz., Phoenix**—City let contract paving 17th Ave. between Adams and Van Buren Sts. and Munroe St. between 15th and 17th Aves., to Southwestern Contg. Co., O'Neil Bldg. Work involves 8569 sq.yd. paving, $2 per sq.yd.; 8569 sq.yd grading, $0.25; 3806 lin.ft. combination curb and gutter, $1.25; 528 lin.ft. single curb, $0.70; 26 lin.ft. single gutter, $0.70; 201 lin.ft. valley gutter, $1.10; grading 7 street intersection terminations, $10 each, and 4 alley intersection terminations, $7 each.

★**Wash., Bellingham**—Comrs. Whatcom Co. let contract grading and hard surfacing 5 mi. Everson-Noonsack Rd., 16-40 ft. wide, concrete, to Riddle & Hawkins, Bellingham, $96,354.

★**Wash., Seattle**—Bd. Pub. Wks. let contract grading, filling and paving 1 mi. West Spokane St., 34 ft. wide, concrete, to Independent Asphalt Paving Co., Seattle, $161,025. Noted Mar. 13.

★**Ore., Astoria**—City let contracts to Miller & Bauer, Astoria, paving Franklin Ave. from 12th to 9th Sts., cost $18,421; Florence Ave., from Oregon to Taylor Sts. and Oregon St. from Florence to Alameda Sts., $32,067; 3rd St. from Klaskine to Lexington Sts., $29,031; Rivington Ave., $14,601; Commercial St. from 17th to 22nd Sts., $36,219, all bitulithic on 5 in. concrete base; to J. Slotte, Astoria, Franklin Ave. from 5th to 2nd Sts., bitulithic with 12 ft. brick center strip, $17,668; to H. Makela, 253 Alameda St., building plank roadway, wood sidewalk, fill and concrete retaining wall on Exchange St. from 13th to 14th Sts., $16,284. Noted Feb. 27.

★**Cal., Pasadena**—City let contract improving Marengo Ave., from Colorado to Walnut Sts., to Bryant & Austin, 1656 Compton Ave., Los Angeles, $13,097. Noted Mar. 6.

Railways

PROPOSED WORK

New York—See "Industrial Works" under Lake Placid.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Pennsylvania**—W. S. Twining, dir. dept. city transit, Mershon Bldg., let contract building 6 mi. line from Frankford to Bustleton, to Amer. Ry. Contr. Co., 53 West Jackson Blvd., Chicago, $370,892. Work involves 175,000 lbs. steel, 20,000 cu.-ft. excav., 35,000 lbs. c.i. tubing, 2000 sq.yd. macadam paving, 6000 ft. lumber, 2000 lbs. rein. steel and large quantity of girder and T rails. Noted Apr. 10.

Excavation and Dredging

PROPOSED WORK

Conn., Bridgeport—Dredging—Bd. Pk. Comrs., Security Bldg., rejected only bid received Apr. 11, dredging 40,000 cu.yd. for filling at Fayerweather Island, Seaside Park. B. F. Cooney, clk. Noted Apr. 3.

Md., Baltimore—Dredging—See "Industrial Works."

BIDS DESIRED

N. Y., New York—Dredging—Until Apr. 28, by M. Hurlburt, comr. docks, Pier A, Foot Battery Pl., North River, furnishing labor and material for dredging 5000 cu. yd. north side Pier 53; 16,200 cu.yd. north and south sides Pier 57; 9000 cu.yd. north side Pier 58; 19,500 cu.yd. north and south sides Pier 60; 33,000 cu.yd. north and

Excavation and Dredging (Continued)

south sides Pier 61; 10,000 cu.yd. easterly and westerly sides Pier 33; 6500 cu.yd. westerly side Pier 36; 600 cu.yd. East 106th St.; 1200 cu.yd. northly side of Pier East 117th St.; 1500 cu.yd. East 132nd St.; 1000 cu.yd. East 134th St., Manhattan; 25,000 cu.yd. Pier at 52nd St., Brooklyn.

N. C., Beaufort—Drainage—Until June 2, by Virginia-Carolina Farms Co., building 17 mi. main canals, 66 mi. laterals, 117 mi. sub-laterals; also enlarging 10 mi. existing main canals, 28 mi. laterals and 35 mi. sub-laterals. Work involves about 1,500,000 cu. yd. excav., grading 110 mi. roads and building 210 wooden bridges requiring from 700 to 2200 ft. B. M. lumber per bridge. G. S. Speer, pres. B. M. Potter, New Bern, engr.; advertised in this issue.

Ark., Jonesboro—Drainage—Until Apr. 29, by Bd. Comrs. Little Bay and Whitemans Creek, D. D. No. 20, building drainage canals and steel bridges. Work involves 87,700 cu.yd. earth excav. and 785,500 cu.yd. floating dredge work, 10 steel I-beam bridges, (20-30 ft. spans), one 60 ft. steel truss and 150 lin.ft. wood pile trestle. Cobb & Lee, Jonesboro, engrs.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

N. J., Freehold—Dredging—State received bids dredging section canal connecting Barbegat Bay with Manasquan River, from Hill Dredging Co., Atlantic Ave. and Somerset Pl., Atlantic City, $0.22 per cu.yd., Coast & Inland Dredging Co., Atlantic City, $0.26 per cu.yd., Matthews Bros., East Front St., Red Bank, $0.295 per cu.yd.

Ore., Portland—Dredging—Port of Portland received bids for 17,000 cu.yd. rock and earth dredging in front of Albina dock, from Pacific Foundation Co., Portland, $.95 per yd.; Pacific Bridge Co., foot of Salmon St., $1 per yd. Noted Apr. 10.

Industrial Works

PROPOSED WORK

Mass., Cambridge—T. G. Douglas, c/o F. S. Boyd, 579 Massachusetts Ave., had plans prepared building 1 story, 77 x 133 ft. brick and concrete garage, on Blancke and Green Sts. About $30,000.

Mass., Campello (Brockton P. O.)—A. E. Keith Co. soon lets contract building 64 x 71 ft. power plant, 40 ft. high. About $56,000. Jenks & Ballon, 735 Grosvenor Bldg., Providence, R. I., engr. Noted Jan. 16.

Mass., Chelsea (Boston P. O.)—McMannus Box Co., Vale St., had plans prepared by W. H. Taylor, archt., Chelsea, for 2 story brick and concrete factory. About $75,000.

Mass., Chicopee—Paper Makers Chemical Co., Holyoke, plans to build 1 and 2 story, 300 x 500 ft. mill construction paper factory, concrete foundation, on Grattan St., here. About $100,000. R. M. Snell, mgr.

Mass., Pittsfield—Victory Textile Co. plans to build 3 story, 80 x 280 ft. brick mill here. Cost, including equipment, $80,000. L. Hollingsworth, pres. and secy.

Mass., Worcester—A. Z. Manzi, 162 Shrewsbury St., had plans prepared by S. H. Pitcher, archt., 44 Front St., building 1 story, 72 x 72 ft. brick garage. About $35,000.

Conn., Waterbury—City plans to sell $100,000 bonds to build garage and comfort station.

N. Y., Brooklyn—Lasky Motor Car Corp., 17 Graham Ave., soon lets contract building 2 story, 100 x 100 ft. brick and steel auto service station, rein.-con. flooring, concrete foundation, on Montrose Ave. and Leonard St. About $75,000. Shampan & Shampan, 772 B'way., archts. Noted Mar. 6.

N. Y., Brooklyn—Lehn & Fink, 120 William St., New York City, soon receive bids building 8 story, 40 x 100 ft. rein-con. and steel factory, rein.-con. flooring, concrete foundation, on Irving & Columbia Sts. here. Buchman & Kahn, 56 West 45th St., New York City, archts. Noted Mar. 13.

N. Y., Buffalo—J. Geigad, archt., 346 Herman St., soon lets contract building 1 story, 80 x 100 ft. steel foundry, concrete foundation, on East Ferry St., for M. Hayman & Co., East Ferry St. About $25,000.

N. Y., Buffalo—United States Alloys Corp., River Rd., soon lets contract building 1 story, 60 x 65 ft. steel and 40 x 150 ft. brick and steel machine shop and office building, concrete foundation, on Witmer Rd. About $40,000. Address H. I. Wheat, c/o owner, engr.

N. Y., Cambridge—Rice Seed Co., had plans prepared for 75 x 275 ft. storehouse and shipping building, adjacent to Delaware & Hudson R.R. About $35,000.

N. Y., Lake Placid—George & Bliss plan to rebuild rein.-con. and steel boat factory terminal, shipway and marine railway, recently destroyed by fire. About $40,000.

N. Y., Malden Bridge—Gatti-McQuade Paper Co., 200 5th Ave., New York City, purchased Peaslee Mills, here, and are having plans prepared repairing and altering same. About $25,000.

N. Y., New York—Cuneo & Posta, 73 Washington Sq., had plans prepared by F. E. Vitolo, archt., 56 West 45th St., building 5 story, 100x130 ft. brick and steel garage, rein.-con. flooring, concrete foundation, at 541-551 West Bway. About $100,000.

N. Y., New York—Eagle Pencil Co., 703 East 13th St., soon receives bids building 6 story, 75x200 ft. rein.-con. and steel addition to factory, rein.-con. flooring, concrete foundation, on Ave. D, between 13th and 14th Sts. Buchman & Kahn, 56 West 45th St., archts. Noted Feb. 27.

N. Y., New York—New York Central R. R., Grand Central Terminal, soon lets contract building 1 story, 35 x 180 ft. brick and steel garage and warehouse, rein.-con. flooring, concrete foundation, on Webster Ave. and Claremont Pkway., Bronx. About $75,000. Ewing & Allen, 101 Park Ave., archts. Central Fdry. Co., 90 West St., lessee. Noted Mar. 27.

N. Y., Niagara Falls—United States Light & Heat Corp., 3215 Highland Ave., soon lets contract building 1 and 2 story, brick and steel plant, concrete foundation, on Highland Ave. Mills, Rhines, Bellman & Nordhoff, 1234 Ohio Bldg., Toledo, O., engrs.

N. Y., Rochester—Industrial Development Com., Chamber of Commerce, having plans prepared for large shipyard on lower Genesee River near lake harbor.

N. Y., Rochester—Rochester Ry. & Light Co., 34 Clint Ave., N., authorized by Pub. Serv. Comn. of 2nd Dist. to issue $500,000 preferred stock to improve and extend electrical and gas departments.

N. Y., West Coxsackie—Amer. Valve Co., River St., Coxsackie, purchased site here and are having plans prepared for 2 story, brick factory covering 75,000 sq.ft. floor space. About $40,000. Address D. G. Greene, pres.

N. J., Newark—Riverside Steel Castings Co., Passaic Ave. and Kearney Meadows, purchased a 254 x 720 ft. site at 326-344 Riverside Ave. and plans to build several 1 and 2 story rein.-con. buildings. A. Kinne, mgr.

N. J., Phillipsburg—Canister Co. plans to build plant. About $60,000.

Pa., Phila.—F. T. Uezzell, archt., 717 Walnut St., receives bids about May 15, for 3 story, 140 x 240 ft. rein.-con. factory. Owners name withheld.

Pa., Pittsburgh—T. Donaldson having plans prepared by Hunting-Davis Co., archts., Century Bldg., building 1 and 2 story, 100 x 227 ft., rein.-con., steel and brick garage, rein.con. flooring, concrete foundation, on Weston and Bidwell Sts., to be known as Donaldson Commercial Truck Garage. About $75,000.

Pa., Pittsburgh—A. Goldbloom, 1215 Locust St., having plans prepared for 2 story, 80 x 220 ft., fireproof garage, rein.-con. flooring, concrete foundation, on Atwood St., Oakland Dist. About $60,000.

Pa., Pittsburgh—Painter-Dunn Co., Center Ave., soon lets contract building 1 story, 100 x 150 ft., rein.-con. addition to garage, rein.-con. flooring, concrete foundation. About $35,000. Hunting-Davis Co., Century Bldg., archts.

Pa., Pittsburgh—Wolverine Supply & Mfg Co., Paige and Fontella Sts., having plans prepared by Hunting-Davis Co., archts., Century Bldg., for 5 story, 70 x 100 ft. factory on Paige St. Cost to exceed $50,000.

Md., Baltimore—See "Buildings."

Md., Baltimore—Weyerhacuser Timber Co., White Bldg., Tacoma, Wash., purchased tract between Northwest Harbor and Curtis Bay, and plans to establish lumber yard. Work involves dredging 35 ft. deep water channel and building pier head.

Md., Hagerstown—Amer. Agricultural Chemical Co., 1015 Fidelity Bldg., Baltimore, plans to build fertilizer factory here on 129 acre site. About $100,000.

Md., Hagerstown—Poole Eng & Machine Co., Woodberry Sta., Baltimore, plans to convert Hagerstown plant, known as Maryland Pressed Steel Co., into factory for manufacturing airplanes. Cost between $50,000 and $100,000. S. P. Brady [illegible]

Md., Highlandtown (Baltimore P. O.)—Jones & Lamb Co., Pennsylvania and Fenton Aves., Baltimore, plans to remodel plant of Monumental Brewery Co. and construct several rein.-con., steel and brick buildings, rein.-con. flooring, rein.-con. foundation, on Lombard St., same to be used as meat packing plant and oil refinery. About $500,000. C. C. Comstock, 110 West 40th St., New York City, engr.

Fla., Tallahassee—City plans to rebuild electric light and power plant recently destroyed by fire. Loss, $50,000. C. S. Hammatt, 1943 Main St., Jacksonville, engr.

O., Cleveland—Purity Ice Cream Cone Co., 5119 Euclid Ave., plans to build 4 story, concrete, steel and brick factory at 8804 Hough Ave. About $100,000.

Ill., Chicago—G. W. Shaw, 607 Rush St., plans to build 4 story, 60 x 125 ft. rein.-con. and brick factory, rein.-con. flooring, concrete foundation, on 29th Pl. and Calumet St. About $90,000. C. W. Westerlind, 179 West Washington St., archt.

Wis., Sheboygan—Bemmis-Riddel Fibre Co., c/o G. Riddel, 2202 North 6th St., soon lets contract building 4 story, 60x150 ft., rein.-con., brick and steel factory, rein.-con. flooring, brick foundation, on South 15th St. About $55,000. Juul & Smith, Imig Bldg., archts.

Wis., Sheboygan—Raab-Thieman Co., 816 Niagara Ave., plans to build 2 story, 60 x 100 ft., garage. About $55,000.

Wis., Sheboygan—Wadhams Oil Co., Michigan and 13th Sts. plans to build 2 story oil station. About $30,000.

Wis., Waupaca—F. H. Josslyn, Algoma Blk., Oshkosh, had preliminary plans prepared by E. Orbison, engr., Appleton, building 150 hp. hydroelectric power plant on Little Wolf River. About $200,000.

Mont., Billings—G. L. Tracy Co. plans to build 2 story brick and concrete warehouse. About $25,000.

Mo., Carondolet (St. Louis P. O.)—Mineral Refining & Chemical Corp. receives bids about June 1, building rein.-con. and steel paint and pigment plant, concrete foundation, on Mississippi River front. Plans include chemical laboratory, mineral milling, power and packing plants. About $2,500,000. M. Alayo, vice-pres.

Mo., St. Joseph—Swift & Co., Union Stock Yards, Chicago, plans to build 2 story, 40 x 51 ft. concrete and brick addition to boiler room, concrete foundation. About $90,000.

Mo., St. Louis—Columbia Taxicab Co., 4533 Delmar Blvd., having preliminary plans prepared by L. W. Childress, engr., c/o owner, for 1 story, 128 x 200 ft. garage at 3319-37 Lawton Ave., About $100,000.

Mo., St. Louis—A. M. Lane, archt., 4121 Forest Park Blvd., soon receives bids building factory on Penrose St., for Monarch Metal Weather Strip Co., 4121 Forest Park Blvd. Cost to exceed $50,000.

Mo., St. Louis—St. Louis Wholesale Cut Flower Co., 1410 Pine St., having plans prepared by Grewe Constr. Co., archts., Century Bldg., for 2 story, 50 x 109 ft. rein.-con. and brick storage plant, concrete foundation, at 1406-8 Pine St. About $50,000. D. Geddis, pres.

Wash., Seattle—Pacific Net & Twine Co., Pier 8, plans to build 2 additional stories, 120 x 134 ft., to factory now under construction on Pier 8. About $60,000. J. Graham, Manufacturers' Bldg., archt.

Wash., Seattle—Queen Anne Candy Co. plans to build 4 story, 60 x 103 ft., concrete factory, rein.-con. flooring, concrete foundation, at 120 Westlake Ave., N. About $45,000. Beezer Bros., Seaboard Bldg., archts.

Ore., Eugene—City and local capitalists plan to build meat packing plant and develop extensive hog farm near here. W. M. Strickland, Chamber of Commerce, promoter of plan.

Ore., Portland—B. O'Hara, 9th and Everett Sts., plans to build 1 story, 100 x 100 ft. brick and rein.-con. warehouse. Stokes & Zeller, Chamber of Commerce, archts.

Ore., Sutherlin—Sutherlin Cannery Co., Inc., having plans prepared building 2½ story, 60 x 80 ft. and 1 story 60 x 134 ft. timber canneries, cement flooring. About $50,000.

Industrial Works (Continued)

Ore., St. Helens—Island Lumber Co. plans to build sawmill on Sauvies Island with loading docks on slough side, 60,000 ft. capacity. About $50,000.

Cal., Fresno—Don Lee Automobile Co., 1020 J St., plans to construct garage and sales building. About $160,000.

Cal., Hanford—California Peach Growers Inc., Malaga St., Fresno, having plans prepared by Glass & Butner, archts., Republican Bldg., Fresno, building 1 and 2 story, 90 x 250 ft., rein.-con. and brick packing and shipping plant. Cost between $50,000 and $75,000.

Cal., Stockton—California Cedar Products Co. having plans prepared by Davis & Keller, engrs., Stockton, building 2 story, rein.-con. factory and warehouse.

Que., Westmount—Arena Co. plans to build 110 x 500 ft. garage on St. Catherine St., Wood and Western Aves. About $100,000. J. S. Archibald, 318 Dorchester St., W., Montreal, archt.

Ont., Toronto—Canadian Ice Mchy. Co., 82 Chestnut St., had plans prepared by A. Chapman, archt., Harbor Bldg., building brick factory. About $50,000. Noted Dec. 5.

Ont., Windsor—B. H. Marsh having plans prepared by J. C. Pennington, archt., La Belle Bldg., for candy factory. About $40,000.

Ont., Wingham—Aero Tire Co. plans to build plant. About $50,000.

B. C., Port Alberni—Watson Bros., 141 Front St., Vancouver, plans to build cannery here. About $75,000.

BIDS DESIRED

R. I., Providence—Until Apr. 28, by W. G. Richards, archt., 17 Exchange St., building 80 x 140 ft. brick, steel and concrete garage, concrete foundation, on Dorrance and Eddy Sts., for B. B. Knight Estate, Broad St. About $30,000. Noted Apr. 3.

N. Y., Brooklyn—Until Apr. 30, (change of date) by H. J. Nurick, archt., 957 Bway., New York City, building 1 story, 100 x 165 ft. brick and steel warehouse, garage and workshop, rein.-con. flooring, concrete foundation, on Jefferson St., Wykoff and Flushing Aves., for Magid, Katzman & Strober, 58 Boerum St. About $50,000. Noted Mar. 27.

N. Y., Brooklyn—Until Apr. 30 (change of date), by H. J. Nurick, archt., 957 Bway., building 2 story, 120 x 160 ft. brick and steel garage, warehouse and workshop, rein.-con. flooring, concrete foundation, on Varick Ave. and Meserole St., for J. H. Werbelovsky, 83 Meserole St. About $50,000. Noted Mar. 27.

N. J., Newark—Until Apr. 30, by R. G. Cory, archt., 39 Cortlandt St., New York City, building 4 story, 80x400 ft., rein.-con. and steel factory, rein.-con. flooring, concrete foundation, on Thomas St. for O. Heineman Co., Inc., 145 Jackson St. About $500,000.

Pa., Altoona—Until Apr. 26, by R. W. Nash, pres. Altoona Grocery Co., 200 Chestnut Ave., building 2 story, 110 x 120 ft. brick bakery on 9th Ave. and 28th St. About $90,000. McCormick Bros., Pittsburgh, archts.

Pa., Pittsburgh—C. Bickel, archt., May Bldg., receiving bids for 3 story, 80 x 155 ft., fireproof or brick and steel garage, concrete foundation, at 513-523 Water St., for K. Solomon, Frick Annex. About $125,000. Noted Mar. 13.

Wis., Sheboygan—Until May 10, by Juul & Smith, archts., Imig Bldg., building 1 story, 50 x 191 ft., rein-con., brick and steel machine shop, rein.-con. flooring, brick foundation on Niagara and 8th Sts., for Jenkin Machine Co., 315 North 8th St. About $75,000.

Minn., Bemidji—Until May 15, by T. S. Ervin, pres., Beltrami Elevator & Milling Co., building 3 story, rein-con., brick and steel elevator, 150,000 bu. capacity. About $30,000.

Minn., Minneapolis—Minneapolis Steel & Mch. Co., 2854 Minnehaha Ave., receiving bids building 2 story, 130 x 220 ft. rein.-con. and brick warehouse, brick foundation, on Snelling Ave. and 32nd St. About $60,000. Johnson & Drake Co., 905 Plymouth Bldg., archts.

Ont., Toronto—Until May 15, by Gardiner & Mercier, archts., 827 Birks Bldg., building foundry and boiler plant on Railway St. for Mainland Eng. Co.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Boston**—W. Louden, 18 Tremont St., will build 2 story, 100 x 175 ft. rein.-con. sales and assembly factory on Commonwealth Ave. About $250,000. Work will be done by day labor. Excavation started.

★**Mass., Boston**—E. L. Snider, 18 Tremont St., will build 6 story, 60 x 170 ft. rein.-con. garage on Westland Pl. About $250,000. Work will be done by day labor.

★**Mass., East Boston** (Boston P. O.)—Mead Morrison Mfg. Co., 125 Prescott St., let contract building 1 story brick addition, to C. A. Dodge, Erie and Albany Sts., Cambridge. About $50,000.

★**Mass., Somerville**—E. F. Kemp, Skelton Ave., let contract building 2 story, 20x60 ft. brick and concrete factory, to J. E. Locatello, 46 Cornhill St., Boston. About $75,000.

★**Mass., Springfield**—A. C. Wigglesworth, Chestnut and Franklin Sts., will build 1 story brick garage, service station and showrooms, rein.-con. flooring, concrete foundation. About $60,000. Work will be done by day labor.

★**R. I., Pawtucket**—Royal Weaving Co., Central Ave. let contract building 2 story, 80 x 80 ft. brick and concrete addition to mill, rein.-con. flooring, concrete foundation, on Woodbine and Sabin Sts., to Wilmarth-Mackillop Inc., Freeman St. About $35,000. Noted Jan. 2.

★**R. I., Providence**—J. C. Doran & Sons, 150 Chestnut St., let contract building 1 story, 60 x 100 ft. and 18 x 35 ft. brick and steel garage, rein.-con. flooring, concrete foundation, on Elbow St., to C. I. Bigney Constr. Co., 898 Westminster St. About $25,000.

★**Conn., Hartford**—Hartford Rubber Wks., Park and Bath Aves., let contract building 1½ story, 60 x 79 ft. brick and steel factory, concrete foundation, on Batholomew Ave., to J. H. Grozier Co., 721 Main St. About $34,000.

★**Conn., Hartford**—Older & Rosenberg, 1212 Main St., will build 4 story, 64 x 128 ft. steel, concrete and brick garage, rein.-con. flooring, concrete foundation, on Main St. About $95,000. Work will be done by day labor. Noted Apr. 10.

★**Conn., Stamford**—C. E. Slawson, Canal St., let contract building 3 story, 128x150 ft. brick and steel warehouse, rein.-con. flooring, concrete foundation, to Thompson-Binger, 280 Madison Ave., New York City. About $150,000. Noted Apr. 10.

★**N. Y., Brooklyn**—Drive Stone Impvt. Co., 620 Saratoga Ave., will build 1 story, 100 x 100 ft. brick and steel garage, rein.-con. flooring, concrete foundation, on Sandford St. and Willoughby Ave., About $25,000. Work will be done by day labor.

★**N. Y., Brooklyn**—Florida Realty Co., 16 Court St., will build 1 story, 100 x 100 ft. brick and steel garage, rein.-con. flooring, concrete foundation, on 29th St. and 3rd Ave. About $25,000. Work will be done by day labor.

★**N. Y., Brooklyn**—Lehman Sons, 56 Forest St., will build 1 story, 60 x 75 ft. brick and steel garage, rein.-con. flooring, concrete foundation, at 43 Jamaica Ave. About $27,000. Work will be done by day labor.

★**N. Y., Brooklyn**—Lurwall Realty Co., 49 Graham Ave., will build 1 story, 90 x 200 ft. brick and steel garage, rein.-con. flooring, concrete foundation, on North 1st St. and Bedford Ave. About $55,000. Work will be done by day labor. Noted Mar. 13.

★**N. Y., Brooklyn**—C. Marcusci, 135 West 3rd St., will build 2 story, 21 x 25 x 150 ft. brick and steel factory, rein.-con. flooring, concrete foundation, at 143 3rd St. About $30,000. Work will be done by day labor. Noted Apr. 10.

★**N. Y., Brooklyn**—Rhoda Realty Co., 13 Herzl St., will build 1 story, 100 x 150 ft. brick and steel garage, rein.-con. flooring, concrete foundation, on East New York Ave. and Harzl St. About $30,000. Work will be done by day labor.

★**N. Y., Brooklyn**—Roselle Realty Co., 187 Montague St., will build 1 story, 90 x 158 ft. brick and steel garage, rein.-con. flooring, concrete foundation, at 2544 Atlantic Ave. About $25,000. Work will be done by day labor.

★**N. Y., Buffalo**—J. H. Williams & Co., 400 Vulcan St., let contract building 1 story, 80 x 320 ft. addition to plant, to J. W. Ferguson, United Bank Bldg., Paterson, N. J.

★**N. Y., Gowanda**—H. H. Shults Co., Inc., 14 Jamestown St., let contract building 90 x 180 ft. and 40 x 100 ft. timber factory, to D. B. Furbush, Gowanda. About $35,000.

★**N. Y., Long Island City**—Loft, Inc., Broome and Centre Sts., New York City, let contract building 5 story, 150x200 ft. brick and steel factory, rein.-con. flooring, concrete foundation, on Vernon Ave between Dayton and Hamilton Sts., here, to J. H. Carl, 510-1st Ave., New York City. About $850,000.

★**N. Y., New York City**—Lansing Co. of Delaware, 288 West St., let contract building 6 story, 49x100 ft. brick and steel warehouse, rein.-con. flooring, concrete foundation, at 28-30 Vandam St., to York Bldg. Co., 103 Park Ave. About $60,000.

★**N. Y., New York**—Van Dam Warehouse Co., Inc., 29 Bway., let contract building 7 story, 100 x 161 ft. brick and steel factory and show room., rein.-con. flooring, concrete foundation, at 1658 Bway., to Miller-Reed Co., 103 Park Ave. About $50,000.

★**N. Y., Thiells**—F. A. Vanderlip, pres. bd. mgrs. Letchworth Village, 7 Wall St., New York City, let contract building addition to central heating plant, to G. B. Wright Co., Garnerville, $32,200. Noted Mar. 13.

★**N. J., Newark**—G. J. Crossman, c/o J. B. Allen, archt., 1091 Sanford Ave., Irvington, let contract building concrete and brick factory, concrete foundation, on Astor St., to Essex Constr. Co., 85 Academy St., $40,500. Plans include 3 story, 42 x 100 ft. main building, 1 story, 25 x 32 ft. engine and boiler room and 1 story, 22 x 100 ft. storage building.

★**Pa., Johnstown**—Johnstown Auto Co. and Cadillac Auto Agency let contract building 3 story, 65 x 120 ft. rein.-con., steel and brick garage, rein.con. flooring, concrete foundation, on Main St., to H. Shenk, 132 7th St. About $125,000.

★**Pa., Phila.**—Van Straaten & Harvey, 1815 Bristol St., let contract building 4 story, 56 x 115 ft. brick mill, wood and cement flooring, rock foundation, at 137 Berkley St., to J. S. Rogers Co., Drexel Bldg. About $60,000.

★**Pa., Pittsburgh**—Pittsburgh Model Engine Co., Lexington Ave. and McPherson St., let contract building 1 story, 40 x 160 ft. and 2 story, 60 x 320 ft. factories; also 3 story 64 x 180 ft. office with 16 x 60 wing, brick rein.-con. and steel, rein.-con. flooring, concrete foundation, on Lexington Ave. along tracks of Pennsylvania R. R., to Austin Co., 16112 Euclid Ave., Cleveland. About $200,000.

★**Pa., Pittsburgh**—W. S. Rubin, New York City, let contract building 7 story, 100 x 180 ft., concrete and steel garage, rein.-con. flooring, concrete foundation, on 7th St. here, to D. T. Riffle, Keenan Bldg. About $150,000.

★**Md., Baltimore**—City Baking Co., 500 Equitable Bldg., let contract building 4 story, 58x110 ft., rein.-con., steel and brick addition to bakery, rein.-con. flooring, brick and concrete foundation, on North Gay St., to J. F. Kunkel, 29 South Linwood Ave. About $50,000. Noted Mar. 27.

★**Md., Baltimore** — Mangels-Herold Co., 1620 Gough St., let contract building 3 story, 50x168 ft., brick and steel factory, rein.-con. flooring, brick and concrete foundation, on Key Highway and Harvey St., to Consolidated Eng. Co., 243 Calvert Bldg. About $55,000. Noted Apr. 10.

★**Md., Canton**—(Baltimore P. O.) Roberts Bros., 427 East Lexington St., Baltimore, let contract building 1 story, 140x150 ft., brick, concrete and steel cannery, concrete foundation, on East Ave. and Toone St., to J. W. George, 506 Munsey Bldg. About $60,000.

★**O., Cleveland**—J. J. Weiner Eng. & Serv. Co., 10101 Quincy Ave., let contract building 1 story, 50 x 125 ft., brick, steel and concrete plant, rein.-con. flooring, brick foundation, to O'Connell & Laws, 11304 Quincy Ave. About $25,000. Noted Apr. 17.

★**Mich., Detroit**—Schlieder Mfg. Co., East Grand Blvd. and Oakland Ave., let contract building 3 story, 80x135 ft. brick and rein.-con. factory, rein.-con. flooring, concrete foundation, to Hazleton & Clark, Ford Bldg. About $80,000, cost plus percentage basis. Noted Apr. 3.

Industrial Works (Continued)

★**Ill., Chicago**—Krasberg Eng. & Mfg. Co., 536 Lake Shore Dr., let contract building 7 story, 109 x 200 ft. rein.-con. factory, rein.-con. flooring, concrete foundation, on Ohio St. near Lake Shore Dr., to Bulley & Andrews, 25 North Dearborn St. About $300,000. Noted Feb. 13.

★**Wis., Green Bay**—Northern Corrugating Co. let contract building 2 story, 100 x 100 ft. rein.-con. and steel plant to H. J. Selmer, McCartney Natl. Bank Bldg. About $50,000.

★**Wis., Manitowoc**—Aluminum Goods & Mfg. Co., 15th and Franklin Sts., let contract building 6 story, 70x430 ft., rein.-con. and steel factory and office, to W. W. Oeflein, 136 Hanover St., Milwaukee. About $500,000.

★**Wis., Menasha**—Gilbert Paper Co. let contract building 60 x 167 ft. power house to C. R. Meyer Sons, 50 State St., Oshkosh. About $75,000.

★**Wis., Plymouth** — Wisconsin Cheese Products Assn. let contract building 4 story, 40x85 ft., brick warehouse and office, on East Division St., to F. Radloff, Sheboygan. About $55,000. Noted Apr. 10.

★**Wis., Sheboygan**—Badger State Tannery Co., South Water St., let contract building 2 story, 100x250 ft., rein.-con. brick and steel tannery, rein.-con. flooring, brick foundation, to H. Loesing, 914 Superior Ave. About $60,000. Noted Mar. 20.

★**Wis., Sheboygan**—W. Loeffer, St. Clair Ave., let contract building 1 story, 80 x 100 ft., brick machine shop, rein.-con. flooring, brick foundation, on 17th St., to M. Stubenrauch, 1426 Maryland Ave. About $30,000.

★**Wis., Two Rivers**—Aluminum Goods Mfg. Co., 15th and Franklin Sts., let contract building two 3 story, 43x137 and 60x300 ft., rein.-con. factories, to W. W. Oeflein, 136 Hanover St., Milwaukee. About $500,000.

★**Minn., St. Paul**—A. M. Ramer Co., 151 East 2nd St., Winona, let contract building 6 story, rein.-con. and brick factory, rein.-con. flooring, on Grove and Olive Sts., to Butler Bros., 1006 Exch. Bank Bldg. About $300,000.

★**Mo., St. Louis**—Busch-Sulzer Bros., Diesel Engine Co., 2nd and Utah Sts., let contract building 2 story, 137 x 184 ft. rein.-con. steel and brick addition, concrete foundation, to Austin Co., 2nd and Utah Sts., $70,300.

★**Mo., St. Louis**—Ever-Tight Piston Ring Co., 1600 Kingsland Ave., let contract building 1 story, 42 x 175 ft. concrete, steel and brick factory, rein.-con. flooring, concrete foundation, at 1600 Kingsland Ave., to Fruin-Colnon Constr. Co., Merchants-Laclede Bldg., $40,000.

★**Cal., San Jose**—Herbert Packing Co., Lincoln Ave., let contract building brick and timber packing plant, on 4th and Keyes Sts., to F. L. Hoyt, 566 North 16th St. Cost including equipment, $125,000.

Buildings

PROPOSED WORK

Me., Orono—Church—Methodist congregation, Belfast, plans to build church here. About $90,000. Address H. B. Sellers, Belfast.

Mass., Greenfield—Stores and Offices—F. L. Burnham plans to erect store and office building, on Main and Wells Sts. About $50,000.

Mass., New Bedford—Hospital—J. S. Mc Intyre, archt., 22 Clifford Bldg., receives bids about Apr. 25, building brick and rein.-con. hospital, rein.-con. flooring, concrete foundation, on Mt. Pleasant, Van Buren, Jefferson and Myrtle Sts. for city. Plans include 3 story, 46 x 178 ft. ward building, 1 story, 60 x 180 ft. operating building and 2 story, 30 x 54 ft. power house and laundry. About $125,000. H. T. Borden, 154 Fair St., chn. Noted Feb 6.

Mass., Tewksbury—Hall—Town having plans prepared by Kilham & Hopkins, archts., 9 Park St., Boston, building 2 story, 40 x 90 ft. brick, concrete foundation, on Main St. About $150,000.

Conn., Ansonia—Armory—State Legislature, Hartford, appropriated $150,000 to build armory on Main St., here. Noted Mar. 6.

Conn., Bristol—Auditorium—City voted $100,000 bonds to build auditorium in honor of soldiers and sailors.

Conn., Middletown—Armory—State Legislature, Hartford, appropriated $150,000 to build armory here. Noted Feb. 27.

Conn., New Britain—Church—St. Marks Episcopal congregation, 21 Washington St., plans to build new church. About $100,000. S. Sutcliffe, pastor.

Conn., New Britain—Home—Childrens' Home, 103 West Main St., plans to build home on Rockliffe Heights. About $100,000.

Conn., New London—Church—Methodist Episcopal congregation. Hempstead St., plans to build church on Broad St. About $100,000. Address M. E. Genter, pastor.

Conn., Preston (Norwich P. O.)—Hospital—State Legislature, Hartford, appropriated $74,500 to improve and alter Norwich State Hospital for the Insane, here.

Conn., Saybrook—Armory—State Legislature, Hartford, appropriated $60,000 to build armory here.

Conn., Stonington—Armory—State Legislature, Hartford, appropriated $60,000 to build armory here.

Conn., Storrs—Hall, etc.—State Legislature, Capitol, Hartford, appropriated $155,555 bonds to build dining hall, faculty cottage, land drainage, equip and build temporary chemical laboratory, poultry plant and students' infirmary for Connecticut Agricultural College here.

Conn., Waterbury—Armory—State Legislature, Hartford, appropriated $300,000 to build new armory here. Noted Feb. 13.

N. Y., Brooklyn—Theatre—J. Manheimer, 1693-49th St., plans to build 3 story, 203x302 ft. brick and steel, concrete foundation, on Flatbush Ave. and Albemarle Rd.

N. Y., Canandaigua—Memorial Community—City plans election soon to vote on $100,000 bonds to erect memorial community building.

N. Y., Canton—Hotel—W. Woodhead, pres., Business Men's Assn., having plans prepared by A. F. Lansing, archt., Sherman Bldg., Watertown, for hotel. About $80,000.

N. Y., Cohoes—High School—City having plans prepared building high school. Bonds for $100,000 voted for project.

N. Y., Deerfield—School—Bd. Educ., Utica, purchased site here and is having estimates made and plans prepared by J. Kemper, engr., Utica, for brick and concrete school. About $100,000.

N. Y., Massena—Church—Sacred Heart congregation having plans prepared for church. About $75,000. Address T. P. Holland, pastor.

N. Y., New Hartford—School—Bd. Educ. voted to expend $84,500 to build school on J. T. Hoffman site, adjacent to present school. Address C. R. Dewey, chn. school bldg. com.

N. Y., New York—Bank—Seabord Natl. Bank, 18 Bway., having plans prepared, by A. C. Bossom, archt., 366 5th Ave., for 3 story, 80 x 94 ft. brick and steel, concrete foundation, on Broad and Beaver Sts.

N. Y., New York—Office, etc.—Natl. Assn' Bldg. Corp., 25 West 45th St., soon receives bids building 20 story, 142x200x 50x200 ft. brick and steel office, arcade and store, concrete foundation, at 27 West 43d St., through to 26-28 West 44th St. About $800,000. G. T. Lee, pres. Starrett & Van Vleck, 8 West 40th St., archts.

N. Y., New York—Store and Loft—Musher Bros., 140 Liberty St., soon lets contract building 6 story, 49x100 ft. brick and steel, concrete foundation, at 255-257 5th Ave. About $190,000. S. B. Eisendrath, 18 East 41st St., archt. Noted Mar. 27.

N. Y., Ogdensburg—Temple—Ogdensburg and Acacian Lodge, F. & A. M., having plans prepared for temple, on McGillis property. About $80,000.

N. Y., Pyrites—School—De Grasse Paper Co. and town plans to issue $50,000 bonds to build brick and concrete school.

N. Y., Rochester—Music Hall, etc.—G. Eastman having plans prepared for brick and concrete musical hall and moving picture theater, on Main St. E., and Gibbs St. About $250,000. Noted Feb. 27.

N. Y., Rochester—Y. M. C. A. Bldg. Comn. plans to erect branch building in southeastern section of city. About $80,000. Address G. G. Ford, 129 Dartmouth St.

N. Y., Seneca Falls—Hotel—L. J. Stauff soon lets contract building hotel to replace Hoag Hotel, recently destroyed by fire. About $150,000. Noted Dec. 5.

N. Y., Syracuse—Y. M. C. A., Montgomery St., plans to acquire site north of present building and construct building. About $60,000.

N. Y., Utica—Bank—Utica Trust & Deposit Co. having plans prepared for brick and marble addition to present bank at 166-168 Genesee St. About $200,000. Address C. W. Hitchcock, asst. to pres.

N. Y., Watertown—Sanatorium—Calkins & Farmer, Cleveland Bldg., purchased site on Stone St. and are having plans prepared for 1 story brick, concrete and marble. About $80,000.

N. J., Elizabeth—Exchange—New York Telephone Co., 16 Dey St., New York City, had plans prepared by McKenzie, Voorhees & Gmelin, engrs., 1123 Bway., New York City, building 3 story, 100x100 ft., brick and steel, concrete foundation, at 1196 East Grand St., here.

N. J., Jersey City—Police and Fire Headquarters—City plans to build combined police and fire headquarters on Boland and Montgomery Sts. About $100,000.

N. J., Trenton—Hotel—C. F. Hilderbrecht, 12 Parkside Ave., having plans prepared by W. Hankin, archt., 542 Carteret Ave., building 6 story, 50 x 240 ft., concrete, brick and steel, on West State St. About $300,000. Noted Jan. 2.

Pa., Farrell—Bank—Colonial Trust Co., Bway., had plans prepared by A. C. Bossum, archt., 366 5th Ave., New York City, for 3 story, 55 x 125 ft., steel and brick, concrete foundation. About $75,000. J. Stevenson, pres. Noted Mar. 20.

Pa., Wesleyville — School — School Bd. plans to build school. About $100,000.

Pa., Williamsport—Hospital—Dirs. Williamsport Hospital plan to rebuild hospital destroyed by fire. About $150,000.

Md., Baltimore—Post Office and Garage—J. S. Bridges, 325 East Oliver St., having plans prepared by E. L. Palmer, Jr., archt., 513 North Charles St., building 150 x 400 ft., brick and concrete, concrete foundation, on Maryland Ave. and Oliver St. Plans include concrete sidewalks, spur for street railway mail service and chute from station to railroad car. About $200,000. U. S. Government, lessee.

N. C., Raleigh—Museum—State Bd. Agriculture plans to build 96 x 140 ft., on Halifax and Edenton Sts. About $250,000. Address State Bldg. Comn.

S. C., Rock Hill—Hotel—Chamber Commerce plans to build 4 story rein.-con and brick. About $65,000.

Ga., Milledgeville—Home—Trustees Georgia State Sanitorium receive bids about May 15, building 3 story brick home for nurses. About $160,000. A. T. Brown, 717-720 Forsyth Bldg., Atlanta, archt. Noted Jan. 30.

Fla., Miami—Hotel—J. F. Alexander soon receives bids building 4 story hotel on Central Ave.

Fla., Miami—Hotel—Elks' Club, Ave. A and 12th St., plans to build 8 story. About $250,000.

Ala., Birmingham—Sunday School—First Methodist Church of Birmingham had preliminary plans prepared by Miller & Martin, archts., Title Guarantee Bldg., for 3 story on 6th Ave. between 18th and 19th Sts. G. R. Stewart, pastor. About $75,000.

O., Cleveland—Office—Cleveland Welfare Federation, c/o S. C. Kingsley, Electric Bldg., plans to build 10 story, rein.-con., steel and brick. About $500,000.

O., Cleveland—Office—East 9th Euclid Co., c/o C. H. Beardsley, 734 Euclid Ave., having preliminary plans prepared by W. S Ferguson Co., engrs., 1900 Euclid Bldg., remodeling 8 story, 79 x 163 ft., at 9th St. and Euclid Ave. About $100,000. Noted Feb. 27.

O., Cleveland — Sales — Van Aken & Strock, 6523 Euclid Ave., soon receives bids building 4 story, 80 x 270 ft., concrete, steel and brick, on East 66th St. and Euclid Ave. About $250,000.

O., Parma—Schools—Bd. Educ. soon receives bids for 3 story, concrete, steel and brick, cost $100,000; 1 story, concrete steel and brick, $75,000 and 2 story, rein.-con., steel and brick, $90,000. Wright & Hohl, 407 Amer. Trust Bldg., Cleveland, archts.

O., Toledo—Schools—Bd. Educ., Southard St. and Linwood Ave., having plans prepared for Norwood School, cost $400,000, and Navarre School, $270,000. Bonds have been sold for project.

Mich., Detroit — Mercantile — Smith, Hinchman & Grylls, archts., 710 Washington Arcade, receive bids about May 1, building 10 story, 100 x 135 ft. rein.-con., rein.-con. flooring, concrete foundation, on Woodward Ave., for E. Kern Co., 146 Woodward Ave. About $650,000. Noted Feb. 27.

Buildings (Continued)

Mich., **Detroit** — School — Grand River Methodist Episcopal congregation, Grand River Ave. and McGraw St., having plans prepared by Van Leyen, Schilling & Keough, archts., 1121 Union Trust Bldg., for 2 story, 70 x 180 ft. brick and rein.-con., rein.-con. flooring, concrete foundation, on Grand River and Quincy Aves. About $130,000.

Ill., Chicago—Bank and Office—Lake View State Bank, 3160 North Clark St., having plans prepared by I. Viehe-Naess, archt., 64 East Van Buren St., building 3 story, 90 x 158 ft. brick and timber, concrete foundation, on Clark St. and Belmont Ave. About $50,000.

Ill., Chicago—Office—W. D. Boyce, 508 North Dearborn St., had plans prepared by C. A. Eckstorm, archt., 5 North La Salle St., building 15 story, 40 x 90 x 185 ft. brick and steel, concrete foundation, at 26 North Dearborn St., also 3 story 40 x 90 ft. top addition to present Boyce Bldg. About $750,000.

Wis., Appleton—High School—School Bd. having plans prepared by Child & Smith, archts., 64 East Van Buren St., Chicago, building 2 story, 60 x 150 ft. About $200,000.

Wis., Manitowoc—Office—See "Industrial Works."

Wis., Plymouth—Office—See "Industrial Works."

Minn., Albert Lea—Schools—Bd. Educ. having plans prepared for two 2 story, concrete schools, brick foundation. About $50,000 each. C. C. Baker, supt. schools.

Minn., Duluth—Grade School—Bd. Educ. receives bids in June, building 1 story, 64 x 250 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation, at Park Point. About $80,000. Croft & Boerner, 833 Palace Bldg., Minneapolis, archts.

Minn., Duluth—Grade School—Bd. Educ. receives bids about May 15, building 2 story, 64 x 180 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation on Riverside St. About $95,000. Croft & Boerner, 833 Palace Bldg., Minneapolis, archts.

Minn., Duluth—Grade School—Bd. Educ. receives bids about May 15 building 2 story, 55 x 64 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation on Liberty St. About $50,000. Croft & Boerner, 833 Palace Bldg., Minneapolis, archts.

Minn., Duluth—Grade School—Bd. Educ. receives bids in June building 2 story, 80 x 120 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Franklin St. About $70,000. Croft & Boerner, 833 Palace Bldg., Minneapolis, archts.

Minn., Faribault—Dormitory—City soon lets contract building 3 story, 44 x 132 ft., rein.-con. and brick, womens dormitory. About $75,000. C. H. Johnston, 715 Capital Bank Bldg., St. Paul, archt.

Minn., Minneapolis—Bank and Office—Northwestern Natl. Bank, 411 Marquette Ave., plans to build 12-15 story bank and office. E. D. Decker, pres.

Minn., Minneapolis—Hotel—Twin City Amusement Trust, Palace Theater, having plans prepared for 20 story, 128 x 208 ft. hotel and theater on Hennepin Ave. About $1,500,000. I. N. Ruben, trustee.

Minn., Minneapolis—Sanitarium—Comrs. Hennepin Co. plan to build 2 story, 30 x 120 ft., brick sanitarium, brick foundation, in Len Lake. About $50,000. Rose & Harris, 471 Auditorium Bldg., engrs.

Minn., Northfield—Hall—Norwegian Lutherian congregation, St. Olof's College, having plans prepared for science hall. About $200,000. M. P. Lyon, trustee.

Minn., St. Paul—Hotel for Office and Theater—Twin City Amusement Trust, Palace Theater, Minneapolis, having plans prepared for 15 story, 125 x 200 ft., hotel or office and theater, on St. Peter St. About $1,000,000. I. N. Ruben, trustee.

Minn., St. Paul—School—City soon receives bids building 2 story on Edgecumbe Rd. and Field Ave. About $80,000. C. A. Hausler, city archt.

Minn., Virginia—Courthouse—Comrs. St. Louis Co., (Duluth) plan to build 3 story, rein.-con. and brick, rein.-con. flooring, concrete and rock foundation, here. About $150,000. W. H. Bargen, co. aud.

Minn., Wanamingo—Grade School—City plans to build 2 story, 58x93 ft., concrete and brick, concrete foundation. About $50,000. Magney & Tusler, 450 Builders Exch., Minneapolis, archts.

Kan., Parsons—High School—Bd. Educ. plans to build 2 story rein.-con. and brick. About $80,000. T. W. Williamson & Co., 312 Central Natl. Bank Bldg., Topeka, archts.

Neb., York—Hospital—Lutheran Hospital Assn. receives bids about May 1, building 2 story, 37 x 90 rein.-con. addition. O. Batz., secy. W. F. Gernandt, 634 Keeline Bldg., Omaha, archt.

Mont., Lewiston—Auditorium—City defeated $60,000 bonds to build auditorium. Noted Feb. 6.

Mo., St. Louis—Hotel—E. J. Mack, Jr., 4011 Lafayette Ave., plans to build 8 story, rein.-con., steel and brick, rein.-con. flooring, concrete foundation, at 5364-72 Pershing St. About $660,000.

Mo., St. Louis—Theatre—W. Wedemeyer, archt., Wainwright Bldg., receives bids about July 1 building 196 x 270 ft. on Gravois Ave. and De Lore St., for Woodland Amusement Co. About $100,000.

Mo., Springfield—School—State Legislature appropriated $100,000 to build practice school at Springfield State Normal School, here.

Okla., Tulsa—Church—Tigert Memorial Methodist congregation plans to build church. About $200,000.

Ariz., Jerome — High School — School Trustees having preliminary plans prepared by C. L. Wilson, archt., Monrovia, Cal., building 2 story, rein.-con. school including manual training departments and auditorium. Bonds will be voted for project.

Ariz., Phoenix—Auditorium and Lodge—Trustees El Zaribah Temple soon receive bids building 3 story, 120 x 140 ft., rein.-con. and brick, concrete foundation, on North Central Ave. About $150,000. Lescher & Kibbey, Bank of Arizona Bldg., archts.

Ariz., Phoenix—School—School Dist. No. 1, election Apr. 29, to vote on $100,000 bonds to purchase site and build school. L. D. Dameron, clk.

Ariz., Yuma—School—Trustees Yuma School Dist. having plans prepared by N. F. Marsh, archt., 211 Bway. Central Bldg., Los Angeles, building 2 story, brick, concrete foundation, to include auditorium, manual training and domestic science departments. About $125,000.

Wash., Seattle—Schools—Bd. Educ. plans election in June or July to vote on $3,500,000 bonds to build schools. F. B. Cooper, supt. schools.

Ore., Portland—Hotel—C. V. Everett, mgr. Alcazar Theatre and C. Starr, plan to build 8 or 10 story, concrete, on B'way and Madison St. About $250,000.

Cal., Berkeley—Schools—City voted $3,000,000 bonds to build high school, 3 grade schools and additions to existing schools. Address C. H. Cheney.

Cal., Emeryville—School—Trustees School Dist. plan to build 2 story, rein.-con. J. Hawley, 47th St. and San Pablo Ave., Oakland, clk. F. Soderberg, 1st Natl. Bank Bldg., Oakland, archt.

Cal., Fowler—School — Trustees Union High School Dist. plan to build 12 room high school and auditorium. About $100,000. E. Gower, clk. Noted Apr. 10.

Cal., Los Angeles—Hotel—Wilshire Blvd. Hotel Co. had plans prepared for 4 story, rein.-con. and brick hotel on Wilshire Blvd., 8th, Fedora and Catalina Sts., main building to be "H" shaped with wings 500 ft. long. Plans include casino, garage, tea house, private school for guests' children and bungalows. About $1,250,000. Bids will soon be received for portion of above work. California Hotel Corp., Maryland Hotel, Pasadena, lessee. Noted Dec. 19.

Cal., Los Angeles—University—University of Southern California, 35th St. and University Ave. having plans prepared by J. Parkinson, archt., 420 Title Insurance Bldg., for group of 6 or more university buildings, (administration building to be erected first). About $3,000,000.

Cal., Modesto—Lodge, Store and Office—Moose Lodge having sketches prepared for 5 story, on 10th and K Sts. About $90,000. P. T. Durham, dictator.

Cal., Orange—Auditorium, etc.—City defeated $150,000 bonds to build auditorium and other buildings in Orange Union School Dist. Noted Mar. 27.

Que., Shawenegan Falls—Church—A. L. Dusablon, curate Polish congregation, receives bids in May or June building church. About $100,000.

Ont., Chapleau—School—Bd. Educ. plans to build 3 story, 80 x 100 ft., school for native Indian population, here. About $100,000. Dept. of Pub. Wks., Ottawa, archt.

Ont., Orillia—Hospital—Power & Son., archts., Brock St., Kingston, soon receive bids building brick and concrete hospital for town. About $100,000.

Ont., Ottawa—Office—H. B. McGiverin, 361 Daly Ave., Ottawa, plans to build 4 story, steel and brick, concrete foundation, on Bank St. About $50,000.

Ont., Sarnia—School—School Bd. receives competitive plans until May 1, for 30 room school for collegiate institute. About $300,000. A. Goodison, chn.

Ont., Toronto—Schools—School Bd. soon lets contracts building brick additions to following schools: Norway School, cost $45,000, Duke Connaught School, $45,000, Kitchener School, $90,000, Bedford Park School, $50,000, Ogden and Brant Sts. School, $70,000, Keele St. School, $130,000, Parkdale School, $60,000, Carlton School, $25,000 and Earl Gray School, $50,000. J. Noble, secy. bldg. com.

Ont., Windsor—School—School Bd. soon receives bids building school. About $125,000. A. H. McPhail, Windsor, archt. Noted Feb. 13.

Man., Winnipeg — Orphanage — Jewish Children's Aid & Orphanage Society of Western Canada, 1280 Main St., soon receives bids building orphanage. About $55,000. Woodman & Cubbidge, 302 Lindsay Bldg., archts. Noted Jan. 23.

Sask., Saskatoon — Exhibition — Winter Fair Bd., Saskatoon, plans to build exhibition building here. About $175,000.

BIDS DESIRED

Conn., Bridgeport—Home—Until May 5, by E. B. Caldwell, Jr., archt., 886 Main St., building 4 story, 80 x 100 ft. brick, concrete and steel, rein.-con. flooring, concrete foundation, on Main and Thomas Sts., for Baptist Christian Union, Inc., Thomas St. About $100,000. Noted Jan. 2.

N. Y., Brooklyn—Theater—Until Apr. 30, by R. T. Short, archt., 370 Macon St., building 1 and 2 story, 80 x 180 ft. brick and steel, rein.-con. flooring, concrete foundation, on Flatbush Ave. and Farragut Rd. for A. H. Schwartz, 815 Flatbush Ave. About $60,000. Noted Mar. 20.

N. Y., Lackawanna (Buffalo P. O.)—School—Until Apr. 26, by A. A. Post, archt., Brisbane Bldg., Buffalo, building 2 story, 130 x 150 ft. brick and steel school and auditorium, rein.-con. flooring, concrete foundation, on South Park Ave. and Ridge St., for Our Lady of Victory congregation. About $125,000.

N. Y., Long Island City—High School—Until May 6, by C. B. J. Snyder, supt. school bldgs., Municipal Bldg., New York City, building 3 story, 100x100 ft. brick and steel addition to Bryant High School, rein.-con. flooring, concrete foundation, on Wilbur Ave. About $500,000.

N. Y., Salisbury Center—Hospital—Until May 8, by G. W. Boyle, purch. agt. Herkimer Co., (Herkimer) building brick and concrete tuberculosis hospital on Heller Farm, here. About $100,000. Noted Apr. 10.

N. J., Bayonne—School—Until May 6, by Bd. Educ., building school on Prospect Ave. between 29 and 30th Sts.

N. J., Lakewood—Hotel—Until Apr. 30, by Shampan & Shampan, archts., 772 Bway., Brooklyn, N. Y., building 5 story, 100 x 175 ft., brick and steel, concrete foundation, for Hotel Elisberg Constr. Co., 55 Liberty St., New York City. About $500,000.

Pa., Phila.—Stations—Until Apr. 29, by Dept. City Transit, 1211 Chestnut St., building brick, steel and rein.-con. station, on northeast and southwest corners of Kensington and Allegheny Aves.; also removing existing buildings on these sites, Contr. No. 551; also on southwest and southeast corners of Kensington Ave. and Somerset St., and removing existing buildings on these sites, Contr. No. 552, Frankford Elevated Ry. W. S. Twining, dir.; advertised in this issue.

Wis., Port Washington—Bank—Until May 15, by Port Washington State Bank, building 2 story, 45 x 100 ft., brick bank on Main St. C. Hill, pres.

Minn., Campbell—School—Until Apr. 28, by Bd. Educ. building 2 story, brick school, brick foundation. About $50,000.

Minn., Hawley—High School—Until May 12, by E. Morton, clk. bd. educ., building 2 story, 67 x 118 ft., brick, brick foundation. About $50,000. K. T. Snyder, 933 Plymouth Bldg., Minneapolis, archt. Noted Mar. 20.

Buildings (Continued)

Minn., St. Paul—School—School Bd. receiving bids for concrete and brick addition to school, brick foundation. About $50,000. C. A. Hausler, city archt.

Minn., Victoria—School—Until May 8, by J. Duthlem, clk., bd. educ., building 2 story, 54 x 108 ft., school for Consolidated School Dist. No. 16. About $52,000. Magney & Tusler, 450 Builder's Exch. Minneapolis, engrs. Noted Jan. 30.

Minn., Winnebago—High School—Until May 15, by E. F. Arndt, clk. bd. educ., building 2 story, 107 x 112 ft., rein.-con. and brick, brick foundation. About $60,000. K. T. Snyder, 923 Plymouth Bldg., Minneapolis, archt. Noted Jan. 30.

S. D., Aberdeen—Hospital—Holmes & Flinn, archts., 8 South Dearborn St., Chicago, receiving bids building 4 story, rein.-con. and brick addition, concrete foundation, for St. Luke's Hospital, here. About $125,000.

Wyo., Green River—Hotel—Until Apr. 25, by J. W. Hawk, building 3 story, 60 x 140 ft., brick. About $60,000. W. J. Cooper, Boston Bldg., Salt Lake City, Utah, engr.

Utah, Hiawatha—School—Until Apr. 29 by Carbon Co. School Bd. **(Price) building** 1 story, 80 x 140 ft., brick and terra cotta. About $60,000. Connen & Fitzer, Templeton Bldg., Salt Lake City, engrs.

Que., Chicoutimi—Church—Until May 3, by Bishop of Chicoutimi, building church. About $300,00. O. Beaule, Quebec, archt.

Ont., Ft. William—Collegiate—Until May 7, by R. E. Mason, archt., Victoria Blk., building 4 story, steel and brick, concrete foundation, for Bd. Educ. About $80,000.

Ont., London—Office—Until Apr. 30, by Watt & Blackwell, archts., Bank of Toronto Bldg., altering and building brick addition to office building for Huron & Erie Mortgage Corp., 422 Richmond St. About $75,000. Noted Feb. 13.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Mass., Lynn—Hotel—J. Grossman, 401 Grossman Bldg., Roxbury, will build 7 story brick and stone, rein.-con. flooring, concrete foundation, on Lynn Shore Dr. and Wade St., here. About $250,000., Work will be done by day labor. Noted Mar. 6.

★Conn., Hartford—Theater—S. Z. Poli, 24 Church St., New Haven, will build 3 story, 120 x 158 ft. brick and steel, brick foundation, on Main St. here. About $125,000. Work will be done by day labor under supervision of T. W. Lamb, archt., 644 8th Ave., New York City. Noted Jan. 9.

★Conn., New Haven—Hotel—Adelman Bros., 10 Garden St., will build 5 story brick and steel, rein.-con. flooring, concrete foundation, on Whaley Ave. About $165,000. Work will be done by day labor. Noted Mar. 27.

★N. Y., Brooklyn — Theater — Beverly Amusement Corp., 220 Bway., New York City, let contract building 1 and 2 story, 55 x 70 ft. brick, rein.-con. flooring, concrete foundation, on Church Ave. near Gravesend Ave., to M. Shapiro & Son, 52 Vanderbilt Ave., New York City. About $55,000.

★N. Y., Manlius—Dormitory—St. John's School let contract building brick dormitory to O'Brien Constr. Co., 1722 Park St., Syracuse. About $100,000.

★N. Y., New York—Bank—Corn Exch. Bank, 13 William St., let contract building 3 story, 75 x 100 ft. brick and steel, concrete foundation, at 76 Grove St., to W. V. Kienhle Co., 1035 Stebbens Ave.

★N. Y., New York—Dispensary—New York Infirmary for Women & Children, 321 East 15th St., let contract building 44 x 60 ft. brick and steel, concrete foundation, on Livingston Pl. and 15th St., to M. Eidlitz, 30 East 42nd St. About $155,000; cost plus percentage basis.

★N. Y., New York—Showroom—See "Industrial Works."

★N. Y., New York—Store—R. H. Macy, Bway. and 34th St., let contract building 17 story, 50 x 200 ft. brick and steel addition, concrete foundation, at 149-155 West 34th St., to M. Eidlitz, 30 East 42nd St. About $500,000.

★N. Y., New York—Theatre—823 Trinity Ave. Corp., 7 East 42nd St., will build 2 story, 92x130 ft. brick and steel, concrete foundation on Fordham Rd. and Valentine Ave., (Bronx Boro.). About $75,000. Work will be done by day labor.

★N. Y., New York City—University—Columbia University c/o Dobbs & Co., agents, 244-5th Ave., let contract for brick and steel interior and exterior alterations, at 2 West 50th St., to T. J. Murphy, 405 Lexington Ave. About $50,000.

★Pa., Brookville—School—Bd. Educ. let contract building school, to J. H. Carr Brookville. About $60,000.

★Pa., Pittsburgh—Office—See "Industrial Works."

★Md., Annapolis—School—Severna Preparatory School, Severna Park, let contract building 3 story, 85x120 ft., concrete and brick, concrete and brick foundation, at Severna Park, to J. M. Appleton, Pasadena. About $60,000.

★Md., Baltimore—Church—Emmanuel Protestant Episcopal congregation, c/o H. D. Harlan, 9 West Biddle St., let contract building 1 story, 25x65 ft., brick and rein.-con., addition, concrete and rock foundation, with 133 ft. tower, on Cathedral and Read Sts., to Morrow Bros., 1201 Fidelity Bldg. About $125,000.

★N. C., Charlotte—High School—Bd. Educ. let contract building 2 story, 58 x 222 ft., rein.-con. high school with 50 x 62 ft., auditorium, to J. A. Jones, 800 Realty Bldg., $114,500. Noted Mar. 20.

★Fla., Miami—Hotel—Urmey Hotel, 13th St. and Ave. B, let contract improving and building 2 story, 60 x 75 ft. addition to Wolf & Ewing Constr. Co., 11th St. and Ave. F. About $100,000.

★Ala., Athens—Court House—Comrs. Limestone Co. rescinded contract let to Little-Clecker Constr. Co., Anniston, and relet same, to Johnson, Chambers & Co., Athens. About $155,000.

★La., Edgard—Church—St. John Baptist congregation let contract building 55 x 135 ft., brick and concrete, to R. G. Favorsworth, New Orleans. About $89,850. Noted Mar. 13.

Mich., Lansing—Library, etc.—Bd. State Auditors received bids Apr. 2, building 6 story brick and rein.-con. library office and steam heating plant, concrete foundation, from W. E. Wood Co., 1805 Ford Bldg., $682,643; Du Boise Constr. Co., Flint, $699,779; Hoertz & Son, Grand Rapids, $692,225. Noted Mar. 20.

★Minn., Cloquet — High School — Bd. Educ. let contract building 3 story, 86 x 200 ft., rein.-con., concrete foundation, to Laurence Constr. Co., 544 Builders' Exch., Minneapolis, $167,000. Noted Apr. 10.

★Minn., Mankato—Grade School—City let general contract building 3 story, 75 x 163 ft. to E. Carlstrom, Mankato, $86,912; heating and plumbing to C. M. Masters, Mankato, $40,650.

★Minn., Wilmar — High School — Bd. Educ. let general contract building story, 100 x 150 ft., concrete and steel addition to high school, brick foundation, to J. H. Olsen & Co., Wilmar, $98,685; plumbing and heating, to B. Benson, Wilmar, $37,853. Noted Apr. 17.

Kan., Sterling—Auditorium and Conservatory—Cooper College let contract building 2 story, 76 x 99 ft. rein.-con. and brick, to J. Cuthbert & Sons, 18th St. and Topeka Ave., Topeka. About $60,000.

★Cal., Fairfield—Hospital—Bd. Supervs. Solano Co. let contract building 1 story, 100 x 300 ft., brick and frame, to E. E. Etherton Co., Monadnock Bldg., San Francisco, $100,552. Noted Mar. 20.

★Que., St. Anges—Church—Roman Catholic congregation let contract building church, to Labbe & Roberge, Valley Junction. About $71,000. Noted Apr. 17.

★B. C., Esquimalt—Hospital—Dominion Government, Ottawa, let contract building two 2 story, 80 x 100 ft. and one 1 story, 50 x 90 ft. additions to Military Hospital here, to form 2 new active treatment pavilions, with additional story to Hydrotherapeutic building, to R. Moncrieff, 3820 11th St., W., Vancouver. About $140,000. Noted Feb. 20.

Federal Government Work

PROPOSED WORK

Pa., Philadelphia—Foundation—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build foundation for aircraft storage building, here; Spec. 3867. About $260,000.

Del., Wilmington—Dredging—U. S. Eng. Office, Old Federal Bldg., rejected bids received Mar. 24, dredging Smyrna River, same being in excess of appropriation. Noted Feb. 27.

Va., Craddock—School—O. M. Eidlitz, dir. U. S. Housing Corp., 413 G St., N. W., Wash., D. C., had plans prepared by Mitchell & Co., Ltd., archt., Paul-Gale-Greenwood Bldg., Norfolk, for pressed brick and stone school, here. About $100,000.

Va., Ft. Monroe—Theatre—A. H. Lloyd, maj. of engrs., constr. quartermaster, Ft. Monroe, soon receives bids building Liberty Theater, type F, here.

Va., Hampton Roads—Motor Generator Sets and Switchboard—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to install at Submarine Base, here; Spec. 3872. About $60,000.

Va., Hampton Roads—Steel Water Tank and Tower—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build, here; Spec. 3868. About $25,000.

Va., Truxtum—School—O. M. Eidlitz, dir. U. S. Housing Corp., 413 G St., N. W., Wash., D. C., had plans prepared by Mitchell & Co., Ltd., archt., Paul-Gale-Greenwood Bldg., Norfolk, for pressed brick and stone school, here. About $50,000.

Fla., Pensacola—Crane—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to install 20 ton electric traveling bridge crane in wet basin boat shed, here; Spec. 3869. About $10,000.

Mont., Missoula—Roads Work—Bureau Pub. Rds., U. S. Dept. Agriculture, plans to build various trails and minor roads in Montana National Forests. About $65,000 and $75,000 respectively. G. H. Loutz, dist. engr.

Wash., Ft. Flagler—Dock—Constr. Div., War Dept., Wash., D. C., plans to build dock with concrete approach, here. About $30,000.

Cal., Garden Valley—Water Supply System, etc.—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build water supply system to supply water to Mare Island Navy Yard and federal housing colony here. About $1,000,000.

Cal., Mare Island—Yard Improvements—Bureau Yards & Docks, Navy Dept., Wash., D. C., authorized improvements to yard, here, including slips and piers, doubling capacity of power plant, new buildings and oil tanks, and railway through Vallejo from causeway to connect with Southern Pacific Ry. About $2,500,000.

P. I., Cavite—Power Plant Equipment—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to install, here; Spec. 3871. About $90,000.

BIDS DESIRED

Mass., Boston—Dredging—Until May 3, by U. S. Eng. Office, Boston, dredging at Hog Island, Boston Harbor; advertised in this issue.

Mass., Chelsea—Wharf, Dredging and Seawall—Until Apr. 30, by Light House Supt., Boston, building new wharf and seawall and dredging at light house depot, here.

R. I., Newport—Torpedo Storage Building—Until May 12, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building here; Spec. 3767. About $203,000; $10 deposit required for plans and specifications. Noted Jan. 23.

D. C., Wash.—Discharge Pipe—Until May 5, by Bureau Yards & Docks, Navy Dept., installing 8 in. submerged discharge pipe here; Spec. 3267. About $12,000.

Va., Hampton Roads—Additional Buildings—Until May 5, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building at Air Sta.; Spec. 3823. About $560,000; $30 deposit required for plans and specifications. Noted Mar. 6.

Va., Hampton Roads—Buildings—Until May 5, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building additional buildings at Aircraft Station here; Spec. 3818. About $560,000.

Va., Hampton Roads—Storehouse—Until Apr. 28, by Bureau Yards & Docks, Wash., D. C., building 1 story, rein.-con. storehouse, here; Spec. 3861. About $230,000; $10 deposit required for plans and specifications. Noted Apr. 17.

Va., Hampton Roads—Storehouse—Until Apr. 28, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building 3 story, rein.-con. aircraft storehouse, here; Spec. 3860. About $837,000; $20 deposit required for plans and specifications. Noted Apr. 17.

Va., Hampton Roads—Storehouse—Until Apr. 28, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building 6 story, rein.-con. storehouse, here; Spec. 3859. About $800,000; $20 deposit required for plans and specifications. Noted Apr. 17.

S. C., Charleston—Dry Dock—Until May 19, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building dry dock No. 2, here; Spec. 3858. About $3,500,000; $100 deposit required for plans and specifications. Noted Apr. 10.

Federal Government Work (Continued)

S. C., Charleston—Storehouse—Until May 12, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building fixed ammunition storehouse, here; Spec. 3842. About $52,000; $10 deposit required for plans and specifications. Noted Apr. 3.

Fla., Pensacola—Conduit System—Until May 12, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building underground conduit system, here; Spec. 3846. About $114,000; $10 deposit required for plans and specifications.

Ala., Florence—Derricks—Until May 21, by U. S. Eng. Office, Florence, furnishing derricks; advertised in this issue.

Minn., Duluth—Dredging—Until May 21, by U. S. Eng. Office, Duluth, dredging Duluth-Superior Harbor, Minn. and Wis.; advertised in this issue.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Chatham**—Septic Tank, etc.—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building septic tank, sewage disposal system, grading streets, etc., to H. S. Roberts, 1123 Bway., New York City, $40,925 (75 days). Noted Apr. 17.

Conn., New London—Dredging—U. S. Eng. Office, New London, received only bid Apr. 8, for annual maintenance dredging in Connecticut River below Hartford, from Hartford & New York Transportation Co., 285 State St., Hartford, $0.22 per cu. yd., total $15,400. Noted Mar. 27.

N. Y., Rockaway—Pump House—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Apr. 21, building pump house for gasoline system, (work complete) from C. Meades, 38 Park Row, $1664, time as specified; Rangley Constr. Co., 405 Lexington Ave., $1739 (45 days); Post & McCord, 101 Park Ave., $1923 (60 days). Contractors all of New York City. Noted Apr. 10.

Pa., Erie—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., received bids for alterations, here, from E. J. B. Lee, $12,715; Constable Bros. Co., 5th and Sassafras St., $15,661; Kirschner Bros., 437 East 9th St., $18,500. Contractors all of Erie. Noted Apr. 3.

★**Pa., Phila.**—Crane—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract installing one 15 ton electric traveling bridge crane, to A. D. Granger Co., 15 Park Row, New York City, $26,519 (180 days). Noted Mar. 20.

★**Pa., Phila.**—Gasolene System—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building at Navy Yard, here, for seaplane hangars, to Mansfield & Savage, 135 William St., New York City, $10,000, (60 days). Noted Apr. 17.

★**Pa., Phila.**—Guard House—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building guard house at P. R. T. Sta., here, to W. H. McCloskey, 1620 Thompson St., $14,155 (120 days).

★**Pa., Phila.**—Pumping Equipment—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract installing in Navy Yard here, to W. G. Cornell Co., Colonial Trust Bldg., $7286 (45 days). Noted Feb. 27.

★**Md., Aberdeen** — Warehouse — Constr. Div., War Dept., Wash., D. C., let contract building here, to Aberthaw Constr. Co., Aberdeen, cost plus percentage.

Md., Indianhead—Roads—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids building county roads, at Naval Proving Ground,

(1) net price and time for work, complete, in accordance with the drawings and specifications;

(2) unit price per linear foot for 20 ft. wide county road (including side walks and parking on one side) in addition to, or less than length shown on drawing;

(3) unit price per linear foot for 18 ft. wide concrete road as shown by Sect. "A-A" on drawing, in addition to, or less than length shown on drawing;

(4) unit price per linear foot for 24 ft. wide concrete road as shown by Sect. "B-B" in addition to, or less than length shown on drawing;

(5) unit price per linear foot for 4 ft. wide concrete sidewalk in addition to, or less than length shown on drawing;

(6) unit price per linear foot for 16 ft. wide gravel road as hereinbefore specified, in addition to, or elss than the length shown on drawing, from

Sutton & Corson Co., 9th and Simpson Sts., Ocean City, N. J., (1) $66,698, (75 days); (2) $11.20, (3) $14, (4) $16.40, (5) $0.85, (6) $3, (7) $70, (8) $1.25.

TABULATION OF BIDS OPENED APRIL 15 BY WAR DEPARTMENT FOR PURCHASE OF ARMY CAMPS

	Entire Camp	Remount Deduct	Hospital Deductions
Camp Beauregard, Alexandria, La.:			
J. W. Alexander, Alexandria, La.	$34,175.76	$7,500.00	
J. W. Davis, 6627 Olive St. Rd., St. Louis, Mo.	18,100.00	8,000.00	
Camp Bowie, Ft. Worth, Tex.:			
Ft. Worth Chamber of Commerce, Ft. Worth, Tex.	21,000.00	1,000.00	10,000.00
H. Marks Sons, Indianapolis, Ind.	66,000.00	1,000.00	4,000.00
Camp Colt, Gettysburg, Pa.:			
D. Hauser, 121 Christopher St., New York, N. Y.	6,585.00	.....	.....
Jump Wreck Co., 210 Parkway Bldg., Phila., Pa.	2,023.00	.....	.....
Thomas & Co., Frederick, Md.	7,500.00	.....	.....
John W. Hartley, York, Pa.	12,000.00	.....	.....
Lewis Bros., Rock Island, Ill.	18,000.00	.....	.....
H. L. Krensler, 3301 Pa. Ave., Pittsburg, Pa.	13,317.37	.....	.....
Camp Hancock, Augusta, Ga.:			
Philip Gofarb & Sam'l Brooks.	37,550.00	2,000.00	11,025.75
Ruel Wrekcing Co., 737 Story Island, Chicago, Ill.	25,000.00	.....	.....
John P. Mulherin, Augusta, Ga.	38,500.00	3,200.00	.....
New Wrecking Co., Indianapolis, Ind.	42,000.00	12,000.00	.....
John W. Dickey and G. H. Nixon, Augusta, Ga.	35,050.00	.....	.....
Camp Kendrick, Lakehurst, N. J.:			
Geo. C. Demeritt, 153 Remson St., Brooklyn, N. Y.	22,000.00	.....	.....
D. Hauser, New York, N. Y.	6,585.00	.....	.....
Jump Wreck Co., 210 Parkway Bldg., Phila, Pa.	3,317.00	.....	.....
Philip Efros, Lakeland, N. J.	13,100.00	.....	.....
Camp Logan, Houston, Tex.:			
Geo. T. Brown, Houston, Tex.	66,000.00	.....	.....
Camp Polk, Raleigh, N. C.:			
Supt. of Prisons, Raleigh, N. C.	8,000.00	.....	.....
Camp Sevier, Greenville, S. C.:			
New Wrecking Co., Indianapolis, Ind.	45,100.00	10,000.00	.....
Camp North Jackson, Columbia, S. C.:			
Lewis Bros., Rock Island, Ill.	17,000.00	.....	.....
Camp Shelby, Hattiesburg, Miss.:			
New Wrecking Co., Indianapolis, Ind.	48,100.00	12,000.00	16,000.00
J. A. McCrary, Atlanta, Ga.	52,700.00	3,500.00	16,800.00
J. W. Davis, 6627 Olive St. Rd., St. Louis, Mo.	61,000.00	4,000.00	15,000.00
	(If given both Camp Shelby and Camp Beauregard, add $7,500)		
Philip Gofarb & Samuel Brooks.	41,550.75	5,000.00	2,000.00
	(If given both Camp Shelby and Camp Hancock, add $500)		
Orleans Demolition Co., New Orleans, La.	52,000	21,440.50	16,559.20
L. W. Dantzlin, Gulfport, Miss.	51,000.00	43,000.00	39,000.00
	(Exclusive of remount and hospital, $31,000		
S. Steinberg Co., Memphis, Tenn.	81,000.00	60,100.00	40,100.00
	(Exclusive of remount and hospital, $15,100)		
Camp Sheridan, Montgomery, Ala.:			
Orleans Demolition Co., New Orleans, La.	15,300.00	3,261.04	8,342.19
City of Montgomery, Alabama.	10,000.00	.....	.....
E. W. Hoyle, Montgomery, Ala.	12,250.00	.....	.....
Camp Wadsworth, Spartanburg, S. C.:			
New Wrecking Co., Indianapolis, Ind.	46,100.00	10,000.00	15,000.00
Camp Wheeler, Macon, Ga.:			
E. Ness, Savannah, Ga.	67,500.00	10,000.00	30,000.00
E. G. Jacobs, Macon, Ga.	16,500.00	4,500.00	31,500.00
W. H. Harris, Ft. Valley, Ga.	41,000.00	4,500.00	7,500.00
Alternate bids.	17,000.00	3,000.00	Add 5,500.00
	18,000.00	3,000.00	1.00
J. A. McCrary, Atlanta, Ga.	28,398.00	4,000.00	8,000.00
Macon Salvage Co., Mascon, Ga.	25,500.00	6,000.00	4,000.00
Camps Bowie, Wheeler, Hancock, Shelby, Beauregard, Colt, Polk, Sheridan, Kendrick, Logan, Sevier, Wadsworth, and North Jackson:			
Harris Bros. Co., 36th and Iron Sts., Chicago, Ill.	($500,000 for all 13 camps)		

*The bidder in each case assumes all land and property damage claims and in addition offers the amounts listed above.

PAVING—WINNETKA, ILL.

Bids were received by Bd. Local Improvements for paving various streets, from (A) Marquette Constr. Co., 133 West Washington St., Chicago, (awarded contract); (B) M. Foley Co., Evanston; (C) Bates & Rogers, 37 West Van Buren St., Chicago. The unit bids were as follows:

	A	B	C
17,400 sq.yd. 6-12-in. concrete pavement and integral curb.	$3.05	$3.30	$2.90
6,520 sq.yd. 6-11-in. concrete pavement and integral curb.	2.75	3.17	2.80
2,340 sq.yd. 6-12-in. concrete pavement and integral curb.	3.00	3.27	2.95
32,600 sq.yd. 6-10-in. concrete pavement and integral curb.	2.60	3.06	2.65
36,500 cu.yd. excavation.	.80	.60	.93
4 brick manholes, 48-lb. covers.	75.00	60.00	100.00
131 brick catch basins, 350-lb. covers.	70.00	55.00	80.00
5 brick catch basins, 480-lb. covers.	75.00	60.00	90.00
11 brick combination manholes and catch basins.	75.00	60.00	85.00
19 brick valve vaults, 480-lb. covers.	75.00	60.00	90.00
29 cast iron inlets, 350-lb. covers.	30.00	28.00	40.00
3 350-lb. cast-iron covers.	25.00	22.00	35.00
29 480-lb. cast-iron covers.	25.00	30.00	45.00
2 480-lb. cast-iron covers.	25.00	25.00	45.00
19 catch basin covers adjusted.	10.00	10.00	25.00
141 manhole covers adjusted.	2.00	4.00	25.00
5 fire hydrants adjusted.	30.00	30.00	30.00
20 light poles adjusted.	22.00	20.00	45.00
1,950 sq.ft. concrete walk approach adjusted.	.15	.25	.20
2,010 lin.ft. new concrete walk approach.	1.00	1.25	1.15
33,030 lin.ft. 4-in. glazed tile, cinder filling.	.30	.37	.40
3,645 lin.ft. 4-in. glazed tile, sand filling.	.40	.40	.70
3,675 lin.ft. 8-in. sewer, cinder backfill.	.90	1.00	1.20
2,015 lin.ft. 8-in. sewer, sand backfill.	1.20	1.00	1.35
1,430 lin.ft. 10-in. sewer, cinder backfill.	1.60	1.60	2.00
170 lin.ft. 10-in. sewer, sand backfill.	2.10	2.15	2.90
600 lin.ft. soft steel protection plates.	.10	.30	.30
Extended totals.	$228,957	$245,245	$246,767

Federal Government Work (Continued)

McLean Contg. Co., 1415 Fidelity Bldg., Baltimore, Md., (1) $68,207, (90 days); (2) add $15, deduct $10; (3) add $11, deduct $8; (4) add $20, deduct $12; (5) add $1.20, deduct $0.75; (6) add $4, deduct $2.50; (7) $50, (8) $1.

Scott Bros., 120 North Washington St., Rome, N. Y., (1) $73,043, (90 days); (2) $12, (3) $9.25, (4) $12.30, (5) $1.75, (6) $2.40, (7) $75, (8) $0.60. Noted Apr. 10.

★**D. C., Wash.**—Condensers—Bureau Yards & Docks, Navy Dept., let contract installing condensers in various Navy Yards, items (3), (4), (5) and (6), to Worthington Pump & Machinery Co., 115 Bway., New York City, $73,146. Noted Feb. 27.

D. C., Wash.—Grading—Bureau Yards & Docks, Navy Dept., received bids Apr. 21, grading west extension of Navy Yard, (work complete) from W. F. Cush, 3rd and R. Sts., N. E., $4888, (30 days); G. Hyman, 1116 Morse St., N. E., $5200, (30 days); Hyde & Baxter, 711 13th St., $6930, (45 days). Noted Apr. 17.

★**D. C., Wash.**—Pumping Equipment—Bureau Yards & Docks, Navy Dept., let contract installing in various Navy Yards, to Alberger Pump & Condenser Co., 140 Cedar St., New York City, items (1), (7), (8), (9), (11), (12), (13), (14), (15), (16), in amount of $164,310, less $771, for (16), in amount of $164,310, less $771, for combined award for 3 items for New Orleans, La., making total net award of $163,539. Pumps, to Mid West Engine Co., Indianapolis, Ind., items (18 to 24 inclusive) $18,456 (90 days.)

★**D. C., Wash.**—Road Work—Zone Supply Officer, 17th and F Sts., N. W., let contract grading, paving and draining, etc., in southern portion of Arlington Cemetery, to D. C. McAleer Constr. Co., Wash., $44,990. Noted Mar. 27.

D. C., Wash.—Sewage Disposal System—Dist. Comrs., Dist. Bldg., received bids Apr. 21, building superstructure for Rock Creek Pumping Sta., (1) 4200 cu. yd. excav.; (2) 1250 cu. yd. concrete masonry; (3) 14 cu. yd. vitr. block masonry, from P. F. Gormerly, 718 Union Trust Bldg., (1) $4.23 per cu. yd., (2) $14.88, (3) $40.75, W. F. Brenizer, 1st and New York Ave.; (1) $4.50; (2) $15; (3) $50; Hyde & Baxter, 711 13th St., N. W., (1) $5.63; (2) $1842; (3) $30. Contractors all of Wash., D. C. Noted Apr. 3.

D. C., Wash.—Steel Tower—Constr. Div., War Dept., Wash., received bids Apr. 14 furnishing one 250,000 gal. steel tank on 125 ft. steel tower equipped with 48 in. riser pipe, (1) delivered and erected complete at Langley Field, Hampton, Va., including freight, etc.;

(2) F.O.B. points of shipment and erected complete, exclusive of foundations at Langley Field, Government to pay cost of transportation, unloading, etc., from

Amer. Bridge Co., Wilkins Bldg., for 250,000 gal. tank, (1) $21,000 (4½ months); (2) $19,800, (3½ months); 25,000 gal. tank, (1) $5000; (2) $4900, price for 25,000 gal. tank not to apply unless bid for 250,000 gal. tank is accepted.

Memphis Steel Constr. Co., Magee Bldg., Pittsburgh, Pa., 250,000 gal. tank, $18,487, (shipment 75 days, erection 6 weeks); f.o.b. factory, including erection, $17,745; 25,000 gal. tank, (1) $4472 (shipment 40 days, erection 4 weeks); (2) $4352, (bid is conditional upon receiving award of both tanks.)

Pittsburgh-Des Moines Steel Co., Munsey Bldg., (1) $19,300; (2) $18,480 (shipment 6 weeks, erection 7 weeks), 25,000 gal. tank, (1) $4585; (2) $4445 (shipment 4 weeks, erection 4 weeks.)

Chicago Bridge & Iron Co., 30 Church St., New York City, 250,000 gal. tank, (1) $22,950, (5 months); (2) $21,725; 25,000 gal. tank, (1) $4975; (2) $4800 (3 months).

R. D. Cole Mfg. Co., Newman, Ga., 250,000 gal. tank (1) $19,900 (Sept. 15); (2) $19,000 (shipment July 7, erection 8 weeks); 25,000 gal. tank, (1) $3146, (complete July 15; (2) $3146 (shipment June 15, erection 3 weeks). Noted Apr. 10.

Va., Norfolk—Cranes—Bureau Yards & Docks, Navy Dept., Wash., D. C., received lowest 3 bids Apr. 21, installing one 6 ton electric traveling crane and two 1 ton pillar cranes, in galvanizing plant at Navy Yard,

(1) net price and time for 6 ton bridge crane installed complete in accordance with drawings and specifications;

(2) net price and time for 6 ton bridge crane installed complete in accordance with bidder's drawings and specification, which shall accompany his proposal,

(3) net price and time for 2 ton pillar cranes installed complete in accordance with drawings and specifications;

(4) net price and time for two 1-ton pillar cranes installed complete in accordance with bidder's drawings and specifications which shall accompany his proposal, from

Bedford Fdry. & Machine Co., 1107 5th St., Bedford, O., (2) $9,359, (120 days); (4) $4306, (120 days).

V. R. Browning, 17701 Lake Shore Blvd., Cleveland, O., (1) $9606; (3) $5840.60.

Whiting Fdry. & Equipment Co., Harvey, Ill., (2) $11,970, (80 days); (4) $4040, (80 days). Noted Apr. 10.

★**Va., Norfolk**—Dredging and Filling—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract dredging and filling at Navy Yard, here, to H. P. Converse Co., 31st St. and Colonial Ave., $.2994 per cu.yd. plus $8000. Noted Apr. 17.

Va., Norfolk—Galvanizing Plant—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Apr. 21, building at Navy Yard, here,

(1) net price and time for 2 buildings, complete in accordance with drawings and specifications; (a) with rag felt roofing, saturated with asphalt; (b) with asbestos felt roofing saturated with asphalt;

(2) net price and time for galvanizing plant, complete, in accordance with drawings and specifications; (a) with rag felt roofing, saturated with asphalt; (b) with asbestos felt roofing, saturated with asphalt;

(3) net price and time for oxy-acetylene plant, complete, in accordance with plans and specifications; (a) with rag felt roofing, saturated with asphalt; (b) with asbestos felt roofing, saturated with asphalt;

(1c), (2c) and (3c) (referring to (1) (2) and (3), respectively); net price to be added to or deducted from (1), (2) and (3), respectively for each wood pile in excess of, or less than, number indicated on drawings, including both test and bearing, and assuming each pile to be 60 ft. long from point to cut-off;

(1d), (2d) and (3d), (referring to (1), (2) and (3), respectively), net price to be added to or deducted from (1), (2) and (3) respectively, for each linear foot of pile in excess of or less than, 60 lin. ft. per pile, length of pile being considered as distance from point to cut-off;

(1e) and (2e), (referring to (1) and (2), respectively), net price to be added to or deducted from (1) and (2), respectively, if steel purlins, coated with cement mortar, are used instead of concrete purlins in main roof of galvanizing plant, from

W. Linker Co., 831 Cherry St., Phila., Pa., (1a) $119,900, (179 days); (1b) $119,900, (179 days); (1c) add $44, deduct $11; (1d) add $0.80, deduct $0.10; (1e) $3500; (2a) $7800, (169 days); (2b) $7800 (169 days); (2c) add $44, deduct $11; (2d) add $0.80, deduct $0.10; (2e) add $3500; (3a) $44,400 (169 days); (3b) $44,400, (169 days); (3c) add $44, deduct $11; (3b) add $0.80, deduct $0.10.

Boyle-Robertson Constr. Co., 601 Evans Bldg., Wash., D. C., (1a) $133,195, (180 days); (1b) $134,695, (180 days); (1c) add $26, deduct $20; (3c) add $26, deduct $20; (3d) add $0.55, deduct $0.20; (2a) $87,212, (180 days); (2b) $88,412, (180 days); (2d) add $0.55, deduct $0.20; (3a) $48,811, (180 days); (3b) $49,111, (180 days).

Oscawanna Bldg. Co., 101 Park Ave., New York City, (1a) $135,470, (180 days); (1b) $136,220, (180 days); (1c) add $30, deduct $20; (1d) add $0.50, deduct $0.20; (1e) $1250; (2a) $90,870; (2b) $91,370; (2c) add $30, deduct $20; (2d) add $0.50, deduct $0.20; (2e) $1250; (3a) $52,700, (180 days); (3b) $53,000; (3c) add $30, deduct $20; (3d) add $0.50, deduct $0.20. Noted Apr. 10.

Va., Yorktown—Barracks, Mess Hall and Officers' Quarters—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Apr. 21, building at Naval Mine Depot, here,

(1) net price and time for work complete, in accordance with drawings and specifications, based on shingle roofs, except flat decks;

(2) amount and time to be added to or deducted from (1) if slate surfaced prepared roofing is substituted for shingles, from

H. S. Roberts, 1123 Bway., New York City, (1) $183,141, (180 days); (2) deduct $12,000.

Rangely Constr. Co., 405 Lexington Ave., New York City, (1) $184,487, (180 days); (2) deduct $5628.

H. Foulkrod, 1406 Commonwealth Bldg., Phila., Pa., (1) $187,700, (180 days); (2) deduct $5277. Noted Apr. 10.

W. Va., South Charleston—Officers' Quarters—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Apr. 21, building 4 officers' quarters, at Naval Ordnance plant, here,

(1) net price and time for 4 buildings (3 of type "B" and 1 of type "C") complete, in accordance with drawings and specifications;

(1a) amount to be added to or deducted from net price stated under (1) for substitution of slate roofing, as specified under "alternative No. 1," in place of wood shingles;

(2) net price and time for each additional building, type "B" complete, in accordance with drawings and specifications;

(2a) amount to be added to or deducted from net price stated under (2) for substitution of slate roofing, as specified under "alternative No. 1," in place of wood shingles, from

Wills Egelhoff Co., 101 Park Ave., New York City, (1) $71,443, (150 days); (1a) $1450; (2) $17,775, (30 days); (2a) add $365.

Algernon Blair, 11 South Lawrence St., Montgomery, Ala., (1) $72,000, (180 days); (1a) $1800; (2) $16,400, (45 days); (2a) $425.

Newport News Contg. & Eng. Co., Newport News, Va., (1) $73,956, (150 days); (1a) $900; (2) $17,000, (20 days); (2a) add $240. Noted Apr. 10.

★**Ky., Greenup**—Lock and Abutment—U. S. Eng. Office, 1st Dist., Cincinnati, O., let contract building lock and abutment for Dam No. 30, Ohio River, near here, to Natl. Contg. Co., Citizens Bank Bldg., Evansville, Ind., $592,590. Noted Mar. 6.

★**O., Port Clinton**—Warehouses—Constr. Div., War Dept., Wash., D. C., let contract to Cleveland Constr. Co., Citizens Bldg., Cleveland, cost plus percentage.

Mich., Mt. Pleasant—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., received bids Apr. 18, building here, from W. O'Neil Son, Faribault, Minn., $58,844; Northern Constr. Co., 421 Milwaukee St., Milwaukee, Wis., $59,359; W. D. Lovell, 1415 South East 8th St., Minneapolis, Minn., $59,700. Noted Mar. 13.

★**Ill., Savannah**—Warehouses—Constr. Div., War Dept., Wash., D. C., let contract building 40 warehouses here, to W. M. Sutherland, Savannah. About $1,500,000; cost plus percentage.

Wis., Rhinelander—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., received bids Apr. 21, building post office, here, from W. D. Lovell, 1415 Southeast 8th St., Minneapolis, Minn., $52,000; Henry & Matfield Constr. Co., Indianapolis, Ind., $53,572; W. O'Neil & Son Co., Faribault, Minn., $55,446. Noted Mar. 13.

★**Tex., Ft. Worth**—Argon Production Plant—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract for all work under heading "Piping for Machinery," in connection with Argon production plant to be erected here, to Carroll Electric Co., 714 12th St., N. W., Wash., D. C., $71,600 (60 days). Noted Mar. 27.

Wash., Montesano—Road Work—L. I. Hewes, dist. engr., bureau pub. rds., U. S. Dept. of Agriculture, 628 Post Office Bldg., Portland, Ore., received only bid building Quinalt Lake project, Grays Harbor Co., from Jarvis & Ward, Olson, total, using log culverts, $95,801, metal culverts, $97,231.

Ore., Portland—Road Work—L. I. Hewes, dist. engr., bureau pub. rds., U. S. Dept. of Agriculture, 628 Post Office Bldg., received only bid building Crater Lake-Prospect Sect. of Meford-Klamath Falls at Nat'l. Forest Rd., Klamath and Jackson Counties, from G. Atkinson, Spaulding Bldg. Work involves 64 acres grubbing, $325, 107 acres clearing, $350, 9225 cu.yd. rock excav., $3.25, per cu.yd., 87,108 cu.yd. earth excav., $1.30, 22 mi. earth finish earth road, $200, $180 cu.yd. class "A," 297 cu.yd. Class "B" and 58 cu.yd. Class "C" concrete, $35. Total ranges from $254,045 (Government furnishing explosives, using dry rubble headwalls, concrete pipe) to $259,673 (using metal pipe) concrete headwalls and contractor furnishing explosives. Noted Apr. 10.

Ore., Portland—Road Work—L. I. Hewes, dist. engr., bureau pub. rds., U. S. Dept. of Agriculture, 628 Post Office Bldg., received bids building and improving Sect. 2, Canyonville-Galesville Natl. Forest Rd., in Umqua Natl. Forest, Douglas Co., (a) clearing and grubbing; (b) 60,000 cu.yd. excav.; (c) 50 cu.yd. Class "C" concrete, etc., from J. E. Nelson, Glendale, (a) $1825; (b) $.85; (c) $25; total, sawed guard rail, $53,741; sawed timber rail, $59,923; rustic guard rail, $53,741; rustic rail, $59,923; A. Glebish, Portland, (a) $1460; (b) $1.08;

Federal Government Work (Continued)

(c) $30; total, sawed guard rail, $63,436; sawed timber rail, $73,196; rustic guard rail, $62,636; rustic rail, $72,396; Fayette, Forbert & Winter, Portland, (a) $3700, (b) $895, (c) $26; total sawed guard rail $61,010, sawed timber rail $63,910, rustic guard rail $61,490, rustic rail, $64,390. Noted Apr. 3.

★**Cal., Mare Island—Steel—Bureau** Yards & Docks, Navy Dept., Wash., D. C., let contract furnishing steel for structural shop, here, to Amer. Bridge Co., Wilkins Bldg., Wash., D. C., $591,181 (170 days). Noted Apr. 10.

MISCELLANEOUS

PROPOSED WORK

Shipway—Lake Placid, N. Y.—See "Industrial Works."

Pavilion — Poughkeepsie, N. Y. — State Hospital Comn., Albany, had plans prepared by L. F. Pilcher, state archt., Albany, building 2 story, 50x299 ft. frame pavilion at Hudson River State Hospital, here. About $75,000.

Road Material—Jersey City, N. J.—Hudson Co. Blvd. Comn., Court House, soon lets contract furnishing following road material: 100,000 gal. asphaltic or other road binder in barrels or in bulk at plant, 40,000 gal. cold patch road binder in barrels or in bulk at plant, 1200 yds. ¾-1½ in. crushed stone and 1000 yd. pea or screenings, Dist. No. 1, Bayonne to Morris Canal Bridge; 1200 yd. ¾-1½ in. crushed stone, 1000 yd. pea or screenings, Dist. No. 2, Morris Canal to Paterson Plank Rd.; 1600 yd. ¾-1½ in. crushed stone and 1500 yd. pea or screenings, Dist. No. 3, Paterson Plank Rd. to 14th St., Hoboken.

Park—Baltimore, Md.—J. J. Carlin, Reistertown Rd. and Park Circle, plans to establish amusement park on Liberty Heights near Reistertown Rd. About $1,000,000.

Pier Head—Baltimore, Md.—See "Industrial Works."

Pipe—Minneapolis, Minn.—K. E. Alexander, city purch. agt. will purchase 12 mi. 6-12 in. pipe.

Grand Stand—Omaha, Neb.—Ak-Sar-Ben Exposition Co., 20th and Spruce Sts., plans to build concrete and steel, on 62nd and Leavenworth Sts. About $100,000.

Grand Stand — Muskogee, Okla.— Free State Fair Assn. plans to build rein.-con. addition to grand stand. About $45,000. H. O. Valeur & Co., Phoenix Bldg., archts.

Dam—Benson, Ariz.—Benson Canal Co. had plans prepared by R. V. Leeson, engr., Kansas City, Mo., building diversion dam and headgate structure in San Pedro River, 7 mi. above here.

Dike—Kelso, Wash—Comrs. Cowlitz Co. plan to build dike Dist No. 5, west of Woodland. G. J. Poysky, Kelso, engr.

Pier—Astoria, Ore.—Port of Astoria Comn. soon receives bids building 1500 ft. foreign commerce pier adjoining pier occupied by Astoria Marine Wks., 160 ft. wide, alternate bids on concrete and wood roof. About $820,000. R. R. Bartlett, ch. engr.

Breakwater — Santa Barbara, Cal. — City plans election soon to vote on $200,000 bonds to build breakwater in front of Santa Barbara. This will be 1st unit of one recommended by J. R. Chapman, engr., which will extend from Castle Rock to Booth Point, to provide anchorage for largest naval vessels. A. B. Cook, city engr.

Rink—Dartmouth, N. S.—Dartmouth Curling Club plans to build. About $50,000. H. R. Silver, pres.

Dams—Montreal, Que.—Provincial Government plans to build storage dams on St. Anne River for Quebec Streams Comn. About $100,000. S. N. Parent, McGill St., engr.

Road Machinery—Brantford, Ont.—City voted $10,000 bonds to purchase road machinery.

Rink—Lindsay, Ont.—Town plans to build skating rink. About $25,000. D. Ray, clk.

Wharf—Prince Rupert, B. C.—Provincial Government, Victoria, having plans prepared building timber wharf on cedar piles, here. About $42,700. A. E. Forman, Victoria, engr.

BIDS DESIRED

Granite Curbing—Cranston (Providence P. O.), **R. I.**—Until May 1, by Bd. Contr. & Purchase furnishing 5000 ft. granite curbing. **D. D. Waterman, city clk.**

FILTERS—WEST HARTFORD, CONN.

Bids were received by Commissioners of Water Board for constructing 8 covered masonry filters and appurtenances from (A) Foundation Co., 233 Broadway, New York City, (awarded contract); (B) Fred T. Ley & Co., 185 Devonshire St., Springfield, Mass.; (C) Henry E. Fox Constr. Co., 81 East 125th St., New York City; (D) Bruno & Petitti, 18 Tremont St., Boston, Mass., $693,245; (E) Coleman Bros., Boston, Mass., $702,855. The unit bids of the lowest 3 bidders were as follows:

	(A)	(B)	(C)
45,000 cu.yd. earth excavation	$1.00	$1.10	$1.35
7,000 cu.yd. rock excavation	5.00	4.25	3.42
16,000 cu.yd. rolled embankment	1.10	1.30	.85
35,000 cu.yd. general fill	.80	1.05	.54
1,000 sq.yd. sodding	.30	.90	.64
35,000 sq.yd. seeding and grassing	.05	.05	.07
7,000 cu.yd. concrete—Class "A"	14.00	13.65	10.80
11,000 cu.yd. concrete—Class "B"	7.50	7.50	8.52
2,000 cu.yd. concrete —Class "C" (reinforced)	13.50	11.60	17.40
2,000 cu.yd. concrete—Class "D"	4.00	3.15	7.10
50 cu.yd. brick masonry	30.00	27.75	24.10
32,000 bbl. cement	3.50	3.65	4.00
20 cu.yd. paving and dry rubble	10.00	3.90	5.70
100 cu.yd. gravel	4.50	3.50	2.85
7,500 cu.yd. special gravel for filters	5.50	3.90	3.55
Piping, gates, etc., in structures (lump sum)	48,393.00	44,500.00	80,215.00
100 lin.ft. furnishing and placing 48-in. c.-i. pipe	55.00	50.00	20.00
150 lin.ft. furnishing and placing 42-in. c.-i. pipe	55.00	50.00	60.00
300 lin.ft. furnishing and placing 36-in. c.-i. pipe	20.00	47.00	51.35
900 lin.ft. furnishing and placing 30-in. c.-i. pipe	20.00	23.50	30.19
100 lin.ft. furnishing and placing 24-in. c.-i. pipe	14.00	9.90	10.00
600 lin.ft. furnishing and placing 18-in. c.-i. pipe	8.00	9.75	11.50
150 lin.ft. furnishing and placing 12-in. c.-i. pipe	6.50	9.00	6.10
150 lin.ft. furnishing and placing 6-in. c.-i. pipe	9.00	3.15	2.84
1,000 lin.ft. furnishing and placing 4 to 10-in. tile drains	.26	.50	.70
1,050 drains through filter roof	2.00	.21	1.07
1,250 lin.ft. furnishing and laying 6-in. split tile	.20	.16	.20
2,900 lin.ft. furnishing and laying 8-in. split tile	.25	.22	.35
3,750 lin.ft. furnishing and laying 10-in. split tile	.35	.32	.45
5,000 lin.ft. furnishing and laying 12-in. split tile	.45	.37	.50
530 lin.ft. furnishing and laying 21-in. split tile	1.40	1.10	1.45
300,000 lb. reinforcing and waterstops	.05	.07	.05½
90,000 lb. miscellaneous cast iron, wrought iron and steel	.12	.10½	.06
10M.bd.ft. timber	85.00	120.00	124.00
Extended totals	$627,508	$632,620	$668,956

ROAD PROJECTS—AGREEMENTS BETWEEN FEDERAL GOVERNMENT AND STATES

	Total Estimated Cost	Federal Aid	Mileage
Alabama			
Sulligent-Hamilton Rd., Lamar Co.	$28,071.30	$14,035.65	6.14
Arkansas			
Brinkley-Clarendon Rd., Monroe Co.	75,183.68	37,471.83	8.08
Jonesboro-Nettleton Rd., Craighead Co.	102,013.56	38,836.16	5.0
East and West Rd. between Buckner and Spirit Lake	48,950.95	37,471.83	8.08
Arizona			
Superior Rd., Mesa and Superior Counties	153,436.25	76,718.12	12.71
Colorado			
Pueblo-Walsenburg Rd., Las Animas Co.	309,215.71	154,607.85	64.12
Georgia			
Summerville-Menlo Rd., Chattanooga Co.	98,921.79	49,460.00	13.62
Chattanooga-Birmingham Highway, Dade Co.	59,847.25	29,900.00	9.8
Tallapoosa Rd., Douglas Co.	54,443.72	27,000.00	12.07
Illinois			
Sect. "K"-Peoria Henry Rd., Marshall Co.	37,203.67	15,700.00	1.57
Michigan			
Rogers City-Onaway Rd., Presqueiso Co.	41,839.38	20,919.69	2.85
Coldwater-Brownson Rd., Branch Co.	146,252.59	73,126.29	5.25
New Mexico			
Old Santa Fe Trail across Colfax Co.	98,622.21	49,311.10	9.71
Ohio			
Cleveland Wooster Rd. between Jackson and Bloomington, Wayne Co.	150,000.00	50,000.00	5.0
Ashland Wooster Rd. between Jefferson and Ashland Co. Lines	213,000.00	50,000.00	6.72
Pennsylvania			
Buffalo Ridge Rd.	181,997.33	90,998.66	4.9
Sects. "C," "D" and "E"	64,441.52	32,220.76	2.9
Texas			
Ft. Worth-El Paso Rd., Shackleford Co.	62,310.25	30,679.81	11.12
East Texas Highway between Kirbyville and Brownell, Jasper Co.	107,652.94	30,000.00	14.73
Sequin-Gonzaleas Rd.	70,064.45	34,900.00	14.58
D. C. D. Highway, Hemphill Co.	21,046.97	10,523.48	15.58
Oklannion Rd., Wilbarger Co.	108,468.10	46,353.45	4.66
Puget Sound Gulf Rd., Randall Co.	36,955.94	11,800.00	17.65
Austin-San Antonio Post Rd., Comal Co.	73,886.77	29,750.00	19.79
Dallas Canadian Denver Highway, Wheeler Co.	63,482.01	31,741.00	27.97
League City-Dickinson Rd., Harris Co.	19,827.50	8,600.00	5.5
Virginia			
State Road North between Greendale and Russel Co. lines	45,291.95	22,645.97	6.75
Wisconsin			
Eclair-Chippewa Falls Rd.	173,812.56	47,000.00	8.8
Lancaster-Plateville Rd., Grant Co.	25,797.84	8,599.28	2.15
Greenlake-Berlin Rd., Greenlake Co.	44,205.05	14,100.00	7.61
Milwaukee-West Bend, Fondulac Rd., Washington Co.	62,396.58	20,798.86	2.9
Mauston-Tomah Rd., Monroe Co.	13,287.25	4,429.08	1.10

Miscellaneous (Continued)

Tracks—New York, N. Y.—Until May 2, by Pub. Serv. Comn., 1st Dist., 49 Lafayette St., furnishing and installing tracks for portion of Bway.-4th Ave. line, Queens and Manhattan Boro. T. H. Whitney, acting chn.

Heating, Plumbing, etc.—Erie, Pa.—Until May 12, by Bd. Educ., for general work, heating, plumbing, electric work, etc. for new East High School. W. B. Ittner, Bd. Educ. Bldg., St. Louis, Mo., archt.; advertised in this issue.

Asphalt—Lansing, Mich.—Until May 5, by J. A. Parsons, city clk., furnishing asphalt to be used for year 1919; advertised in this issue.

Breakwater — Sheboygan, Wis. — Until Apr. 21, by Bd. Pub. Wks., building breakwater along shore of Lake Michigan opposite Vollrath Park, about 490 lin. ft. long. C. U. Boley, comr. pub. wks.

Paving Blocks—Minneapolis, Minn.—Until Apr. 28, by H. E. Alexander, city purch. agt., furnishing 100,000 sq. yd. 3½ and 4 in. yellow pine creosoted paving blocks. About $2.00 per sq. ft.

Tower—Prince Rupert, B. C.—Until May 12, by A. Johnston, deputy minister, dept. of marine, Ottawa, Ont., building rein.-con. lighthouse tower, 40 ft. high, and frame dwelling on Barrett Rock. About $20,000. B. H. Fraser, Rea Bldg., Ottawa, Ont., engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Paving Materials—Fall River, Mass.—Street Dept. received bids furnishing Portland cement, from W. Pettey, 129 Front St., $3.64 per bbl.; McKenzie & Winslow, 78 4th St., $3.65 per bbl.; curbing (various sizes), from Tonkonogy & Co., Fall River, $1.19, $1.28 and $1.35 per ft.; W. H. Beattie, Fall River, $1.20, $1.39 and $1.65 per ft.; Savoie Quarry & Constr. Co., Beauregard St., $1.20, $1.30 and $1.35 per ft.

★Fender Piers—New Bedford, Mass.—City let contract building fender piers to New Bedford-Fairhaven Bridge, to F. C. Taylor, Fairhaven, $12,600.

★Tanks—Providence, R. I.—Atlantic Refining Co., 507 Turks Head Bldg., will build 6 concrete and steel oil tanks on Roger Williams Ave. Work will be done by day labor.

★Stone, etc.—Long Island City, N. Y.—M. E. Connolly, pres. Queens Boro., let contracts furnishing and delivering 2500 cu.yd. broken stone or grits, to T. F. Tuohy, 98 Main St., $5975; 2 automobile pressure distributors, to Harold Motor Car Co., $16,138. Noted Apr. 10.

★Road Oil—New York, N. Y.—Dept. Parks let contract furnishing and delivering 80,000 gal. tar road oil (Bronx Boro.), to Barrett Co., 17 Battery Pl., $10,500. Noted Apr. 10.

★Structural Steel—New York, N. Y.—Pub. Serv. Comn., 49 Lafayette St., let contract erecting structural steel on Sect. 2, Routes 19 and 22, 7th Ave.-Lexington Ave. Rapid Transit R. R., to Terry & Tench, Grand Central Terminal, $586,700. Noted Apr. 3.

★Asphalt—Rochester, N. Y.—Bd. Contr. & Supply let contract furnishing 3500 tons asphalt to Whitmore, Rauber & Vicinus, 279 South Ave., $15.35 per ton. Noted Apr. 3.

Stone—Rochester, N. Y.—Bd. Contr. & Supply received bids Apr. 2, furnishing 2000 tons crushed stone, from Sweeney & Boland, Wolcott Rd., $2.25 per ton; F. W. Crouch, Rochester, $2.60 ton. Noted Apr. 3.

★Valves, etc.—Schenectady, N. Y.—Bd. Contr. & Supply let contract furnishing valves and water gate boxes, to Ludlow Valves Co., foot Adams St., Troy, $6510.

★Seawall — Detroit, Mich. — Windmill Point Land Co. 2258 Penobscot Bldg. let contract filling and grading seawall at Windmill Point, 200 ft. wide, 4200 ft. along shore, involving 250,000 to 500,000 cu.yd. hydraulic or floating dredge work, to A. J. O'Sullivan, Port Huron, $70,000. Noted Feb. 27.

★Hog Run—South St. Paul, Minn.—South St. Paul Union Stock Yards Co. let contract building 3 story, 70 x 100 ft. rein.-con. hog run to W. Kingsly, Faribault, $42,000.

★Fill—Seattle, Wash.—Bd. Pub. Wks. let contract filling and bulkheading land in Elliott Ave., Sanitary Fill No. 1, to Tacoma Dredging Co., Natl. Bank of Tacoma Bldg., Tacoma, $149,078. Noted Feb. 27.

★Tank—Portland, Ore.—Port of Seattle Comn., Wash., let contract furnishing and placing 10,000 gal. steel tank (place to be designated by A. Nicholson, port engr., Seattle, Wash.) to Northwest Bridge & Iron Co., Portland. About $10,000.

ROAD PROJECTS APPROVED BY SECRETARY OF AGRICULTURE WITH MILEAGE AND ESTIMATED COST

	Total Estimated Cost	Federal Aid	Mileage
Alabama			
Guntersville, Huntsville Rd., Marshall Co.	$29,900.31	$14,950.15	5.6
Bridge on Ozark Troy Montgomery Rd., Dale Co.	69,099.80	34,549.90	0.63
Enterprise Ozark-Clio Rd., Dale Co.	42,718.50	21,359.25	7.95
Elba-Troy Rd., Coffee Co.	32,161.71	16,080.35	6.41
California			
Oilfields Rd., Fresno Co.	211,799.06	105,899.50	8.17
Merced-Mariposa Rd., Merced Co.	251,900.00	125,950.00	14.9
Ft. Morgan-Brush Rd., Morgan Co.	10,995.66	5,497.83	0.5
Pueblo-Rocky Ford Rd., Pueblo Co.	25,806.45	12,903.22	1.7
Delaware			
State Highway between Farmington and Harrington, Kent Co.	262,240.00	119,200.00	5.96
Florida			
Dixie Highway, Suwanee Co.	26,367.90	10,000.00	8.7
Georgia			
Bridge on Oconee-Dublin Rd., Dixie Co.	151,723.55	75,861.00	7.00
Tallapoosa Highway, Douglas Co.	41,615.14	20,000.00	6.5
Lathrop Ave.-Port Wentworth-Augusta Rd., Chatham Co.	484,774.89	200,000.00	15.5
Ft. Valley-Colloden Rd., Crawford Co.	25,126.75	12,563.00	7.0
Forsyth Rd., Bibb Co.	309,870.00	154,935.00	8.75
Idaho			
Bridge over Snake River on Idaho Pacific Highway	63,217.00	31,608.50	7.00
North and South Highway, Adams and Idaho Counties	649,000.00	324,000.00	50.5
Iowa			
North Iowa Pike between Emettsburg and Ruthven, Poloalto Co.	83,360.00	22,113.25	11.93
Illinois			
Henry-Morris Rd. between Sparland and Morris Road.	1,636,445.00	818,222.75	65.9
Kansas			
Independence-Neodesha Rd., Montgomery Co.	87,628.75	43,814.37	9.92
Kentucky			
Mayfield-Bardwell Rd., Graves Co.	73,113.70	36,556.85	6.13
Maryland			
Central Ave. Rd. between Largo & Halls Sta., Prince Georges Co.	191,730.00	95,865.00	5.33
Harpers Ferry Rd., Knoxville	87,133.20	43,566.60	3.51
Clarksville Pike between Elioak and Highland	207,515.00	103,757.50	5.2
Rockhall Rd., Kent Co.	79,011.57	39,505.78	3.03
Main St., & R.R., Greensboro	20,053.00	10,026.50	6.5
Michigan			
Lansing-Grand Ledge Rd., Ingham Co.	52,949.38	26,474.69	1.66
Montana			
Kalispell-Ovando Rd. between Kalispell and Missoula	17,600.00	8,800.00	9.0
Bridge over Bitter Root River, Ravalli Co.	22,000.00	11,000.00	7.0
Nebraska			
Columbus Rd. between Albion and Genoa	53,460.00	26,730.00	20.00
Kearney-Pleasanton Rd., Buffalo Co.	53,460.00	26,730.00	20.00
New Hampshire			
Mascoma Valley Rd. between Franklin and Lebannon	9,997.63	4,998.81	1.23
Merrimack Valley Rd. between Grafton and Hillsboro Counties.	13,996.62	6,998.31	1.09
New Mexico			
Carlsbad-Lovington Rd., Ebby Co.	72,648.40	36,324.20	31.00
Oklahoma			
Morris-Muskogee Rd., Okmulgee Co.	183,717.60	91,858.80	15.00
Ohio			
Lima-Sandusky Rd., Erie Co.	110,000.00	30,000.00	3.04
Lisbon-East Liverpool Rd., Columbiana Co.	84,059.30	35,600.00	3.00
Columbus-Wooster Rd., Knox Co.	200,337.72	50,000.00	5.1
Oregon			
Burns-Lawen Sect., Central Oregon Highway, Harney Co.	121,725.71	45,000.00	16.14
Pennsylvania			
Tobyhanna-Pocona Rd., Monroe Co.	117,813.90	58,906.95	4.45
Lincoln Highway, East Adams and Franklin Counties	205,181.19	102,590.59	5.7
Butler Plank Rd., Allegheny Co.	363,440.00	165,200.00	8.26
Harrisville Rd., Mercer Co.	198,000.00	81,000.00	4.5
Milford Rd., Pike Co.	246,400.00	112,000.00	5.6
Tonawanda Sayre Rd., Bradford Co.	435,600.00	198,000.00	9.9
South Carolina			
Edgefield-Greenwood Rd., Edgefield Co.	35,062.36	17,531.18	8.42
Buncombe-Augusta Rd., near Greenville	26,762.56	13,381.28	3.53
Virginia			
State Road No. 9 between Malvern Hill, P. O. and Wade	18,824.30	9,412.15	4.19
State Road No. 14 between Wilson Creek and Longdale Furnace.	76,725.33	38,362.66	8.03
Bristol-Washington Highway between Atkins and Wythe Co. line	89,621.68	44,801.84	5.71
Little River Pike between Fairfax and Pender	63,873.15	31,936.57	3.27
Hodges Ferry-State Road No. 10, Norfolk	135,910.50	67,955.20	5.31
State Road No. 10. Petersburg to Rich's Store, Dinwiddie Co.	36,256.82	18,128.41	1.62
West Virginia			
Fennsboro-Ellensboro Rd., Ritchie Co.	112,040.00	53,500.00	5.0
Randall-Mt. Morris Rd., Monongalia Co.	88,851.00	44,000.00	4.5
Wisconsin			
Delavan-Elkhorn Rd., Walworth Co.	25,783.13	8,594.37	1.28
Block River Falls-Alma Center Rd., Jackson Co.	25,509.00	8,000.00	3.2
Still Junction-Oconto Falls Rd., Oconto Co.	25,058.43	8,352.81	4.36
Fountain City-Winona Rd., Buffalo Co.	29,910.54	9,970.18	2.75
Radisson-Conderay Rds., Sioux Co.	26,897.20	8,965.73	4.38
Frederick-Webster Rd., Polk and Burnett Counties	44,484.00	14,828.00	8.22
Hat Creek-Warren Rd., Niobrara Co.	20,266.91	10,113.45	11.27
Cokeville-Star Valley Rd., Lincoln Co.	19,998.00	9,999.00	4.18
Big Piney Rd., Lincoln Co.	30,968.19	15,484.09	9.17
Laramie-North Park Rd., Albany Co.	73,886.78	36,943.39	26.87